

SEQUENCE LISTING

<110> The Government of the United States of America
<120> CELL LINES AND HOST NUCLEIC ACIDS RELATED TO INFECTIOUS DISEASES
<130> 6395-66741
<150> US 60/482,604
<151> 2003-06-25
<150> US 60/427,464
<151> 2002-11-18
<160> 845
<170> PatentIn version 3.2
<210> 1
<211> 937
<212> DNA
<213> Homo sapiens
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agaccttaggg gagcatctca gcgtcactcg ctgtccagtt gctgtatca ggtgcttgg 180
ggtttgttg actccagaat ccactggcc tgtgtgtcag aagacaaaag ttaaccataa 240
ggcacagaag aaagcctcct gctgaagcca tcgttggccc acatgcattt cagggacaag 300
aatgaagat cggagacttt caagttgtgc ccaggactca cctgctccca ggagacaaaa 360
ggccacacag cagaggagcc tgaagccat ggcaggatct cctagcttgg ggctgggtgc 420
tctgtatcaa gcattctgaa gttcctaagc tcccttcttc ctgataggag cattgacctg 480
tgatgtcacc acactgacat acttccccct gcaggccact ccagccact gtactcttg 540
gcaggcctca gttctgcta ctccatgtac tattcctgtc ttgcacaggc cagaagctaa 600
aggtgaggag gactgaacac agtaccaaca taccacatc acaccttact tccctctgcc 660
cgccctgtcc ctgcctgac actgattccc cagcccttgc cacccagcc cttcaccct 720
ccactgcccc tgcagcagca gagacactcc ctccttgc ctttgc 780
cccaacttt tcaaggcaat gatagtctgt gcttaactct acatggccag gccccactc 840
agggaattnc tgtgtgaaat tgatatccgc tgsacaattc cacacaacat gnnncgtcag 900
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<210> 2
 <211> 1515
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 <213> Homo sapiens

<220>
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 <223> n is a, c, g, or t

<400> 2

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tatgcagtgc	tgccataacc	atgagtgata	acactgcggc	caacttactt	ctgacaacga	180
tcggaggacc	gaaggagcta	accgctttt	tgcacaacat	gggggatcat	gtaactcgcc	240
ttgatcggtt	ggaaccggag	ctgaatgaag	ccataccaaa	cgacgagcgt	gacaccacga	300
tgcctgcagc	aatggcaaca	acgttgcgca	aactattaac	tggcgaacta	cttactctag	360
cttcccggca	acaattaata	gactggatgg	aggcggataa	agttgcagga	ccacttctgc	420
gctcggccct	tccggctggc	tggtttattt	ctgataaattc	tggagccggt	gagcgtgggt	480
ctcgcggtat	cattgcagca	ctggggccag	atggtaagcc	ctccctgtatc	gtagttatct	540
acacgacggg	gagtcaggca	actatggatg	aacgaaatag	acagatcgct	gagataggtg	600
cctcaactgat	taagcatnng	gkaanctgtc	agaccattkt	ttactgcata	tacsgatcca	660
ttgcccttat	ctcaaactct	tattatgaaa	tcactncct	tgagagaraa	aaagcctttt	720
tctctnnng	atkgtcccag	magytyccga	mcatccccac	tycccaacct	tatgkggccc	780
agcaatgans	cctagtagta	ggaaaatcty	tatggatacy	ggkgnctgak	gghaarattc	840
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cccacaaaaga	agttatTTA	ttacacaacc	atttggatga	ccccctttt	cttccaattn	960
nccaaataaa	tctgtaaagg	tcacaggtga	agttcttctc	tttaagagct	actccatgct	1020
aagttcagcg	agaacttggg	gtaccctaga	cattctcca	gagatgcttt	tcttgtaact	1080
ctttcaata	agtaagcatg	ctttgctctg	cactgggtgt	cacctgtgtt	ggatgctgtt	1140
gtccctgcct	tgcctatat	tctgtccaca	tggtttcttc	ataggatgt	gcttaggtca	1200
gccctgaggt	ttgaaccagt	caacaagtcc	aggttggtgt	ggagtccctt	tagtacctcc	1260
ctttgcagga	ataatgctgc	acccagaaac	tccctcagag	cctctccact	gggaggggcc	1320
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ttcattttca	atggtatctc	antnttaca	gtaagttata	ttattgcct	acatngaact	1440

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<210> 3
 <211> 885
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)..(885)
 <223> n is a, g, c, or t

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 ttgcaaggca tggaaaaata cataactgag aatagaaaag ttcagatcga ggtcaggaac 180
 agatggaaca gggtcgaccg gtcgaccggt cgaccctaga gaaccatcag atgtttccag 240
 ggtgccccaa ggacctgaaa tgaccctgtg ccttatttga actaaccaat cagttcgctt 300
 ctcgcttctg ttgcgcgct tctgctcccc gagctcaata aaagagccca caaccctca 360
 ctcggggcgc cagtccctcg attgactgag tcgccccgggt acccgtgtat ccaataaacc 420
 ctcttgcaat tgcattccgac ttgtggtctc gctgttcctt gggagggctc cctctgagtg 480
 attgactacc cgtcagcggg ggtcttcac tctctgtgta ctggtagccaa cagagcctgg 540
 accagggcct ccagttccctc attcagttatt ataatggaga agagagagca aaaggaaaca 600
 ttcttgaacg attctccgca caacagttcc ctgacttgca ctctgaacta aacctgagct 660
 ctctggagct ggggactca gctttgtatt tctgtgccag cagcgttagt ggtagcttga 720
 aacagttctt cggccaggg acacggctca ccgtgctagg taagaaggg gctccagttgg 780
 gagagagggg gagcagccca ncctgnncga ccccananc tttntttagg ggagtggnc 840
 ctgggcattcc aggccctnct cnaggaancg ggttncgccc ggncc 885

<210> 4
 <211> 900
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(900)
 <223> n is a, g, c, or t

<400> 4

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gaaaagcata ccccacagtg tcagtggagg caacatgggg tcctggattt cctcttcacc	180
ctcagtggta gtgaggtgtt cctctcactc cttctgagta gaggaagcca agaggaaagc	240
tggaaacctgt accatcatcc agtggtgata aagcctctgt ccctccacct taccccccagg	300
ttatcagtgg caaccacatg gctagtggta cccctccccgc tccttagccag aatgatatca	360
gcagaggcct agagagtagc ccaaaaactc atctgcaccc agcaggactg aggtttccta	420
cccccaccaa tggaagccaa gtgaggaacc taagccttca cctctcactc agcaggaacc	480
agacaacacc ccctaacaca cacacacaca cacacacaca cacacccttc tgtagtgt	540
gtatcaagga ggcttgataa aatagaagat taaaatagga tccattgccc ttatctcaaa	600
ctcttattat gaaatcactc ctttgagaga gaaaaaaagcc ttttcttggattt ggattgtccc	660
agcagctccc gaccatcccc actccccaaac cttatgtggc cccagcaatg agcctagtag	720
taggaaaatc tctatggata ctggtgctga tgggaagatt cttcctctca ngtatgtat	780
gtgactgggg ctctggatg ctcacggaa tnccatttcc cccacaagaa ntattttat	840
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<210> 5
<211> 869
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(869)
<223> n is a, g, č, or t

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ttcttccaat ttcccaaata aatctgtaaa ggtcacaggt gaagttcttc tcttaagag	120
ctactccatg ctaagttcag cgagaacttg gggtacccta gacattcttc cagagatgct	180
tttcttgtaa ctctttcaa taagtaagca tgcttgctc tgcactgggt gtcacctgtg	240
ttggatgctg ttgtccctgc cttgccctat attctgtcca catggttct tcataaggatg	300
atgcttaggt cagccctgag gtttgaacca gtcaacaagt ccaggttgt gtggagtccc	360
tttagtacct cccttgcag gaataatgct gcacccagaa actccctcag agcctctcca	420
ctggaggggc cttgtgacca ttccctggtt actcctcttg ttccagcata ccatgtggcc	480
aatgggcccc ttcattttc aatggtatct caattcttac agtaagttat attattgccc	540
tacatcgaac tcatcttttc tcagtgttac ctgaggaaga atggagagga tgcccagaat	600

tggcccagaa gaatccactt cgattctaga gaaaaaggca ggttagaggca gaagagattc	660
acttcccagt gcatgcgtgc tgaatgttgg gggtgttgg tgagagagac aaggaaatgg	720
ctgtaaaact tggaaagagg aacctgccc gggtaagta gggtgttggg aggaccagat	780
ggagcttcaa gctctctcca tctttgtcaa gtccccctgga ctgagagggn aaaatnacat	840
ggcctttatc ctccagagga aantnattc	869

<210> 6
<211> 850
<212> DNA
<213> Homo sapiens

<220>	
<221> misc_feature	
<222> (1)..(850)	
<223> n is a, g, c, or t	
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gagttcttct gagcggact ctggggttcg aaatgagcta gcccttaagt aacgccattt	120
tgcaaggcat gaaaaatac ataactgaga atagaaaagt tcagatcgag gtcaggaaca	180
gatggaacag ggtcgaccgg tcgaccggc gaccctagag aaccatcaga tggggcagg	240
gtgcccccaag gacctgaaat gaccctgtgc cttatttcaa ctaaccaatc agttcgcttc	300
tcgcttctgt tcgcgcgctt ctgctcccg agctcaataa aagagcccac aaccctcac	360
tcggggcgcc agtcctccga ttgactgagt cggccggta cccgtgtatc caataaaccc	420
tcttgagtt gcacccact tgggtctcg ctgttcccttggagggcttc ctctgagtga	480
ttgactaccc gtcagcgggg gtcttcact ctctgtgtac tggtaaccaac agagcctgga	540
ccagggccctc cagttcctca ttcaatggata taatggagaa gagagagcaa aaggaaacat	600
tcttgaacga ttctccgcac aacagttccc tgacttgcac tctgaactaa acctgagctc	660
tctggagctg gggactcag ctggacttattt ctgtgccagc agcgttaggt gtagcttggaa	720
acagttcttc gggccaggaa cacggctcac cgtcttaggt aagaaggggg ctccagggtgg	780
gagagaggggt gagcagccca ncctgcacga ccccanaaacc ctgttcttag gggagnggac	840
actgggnat	850

<210> 7
<211> 847
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(847)
 <223> n is a, g, c, or t

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 gagcatctca gcgtcactcg ctgtccagtt gctgtgatca ggtgcttgg ggtttgttg 120
 actccagaat ccactggcc ttgtgttcag aagacaaaaag ttaaccataa ggcacagaag 180
 aaagcctcct gctgaagcca tcgttggccc acatgcattt cagggacaag aaatgaagat 240
 cgtagacttt caagttgtgc ccaggactca cctgctccca ggagacaaaa ggccacacag 300
 cagaggagcc tgaagcccat ggcaggatct cctagcttgg ggctgggtgc tctgtagtaa 360
 gcattctgaa gttcctaagc tcccttcttc ctgataggag cattgacctg tgatgtcacc 420
 acactgacat actttcccct gcaggccact ccagcccact gtactcttg gcaggcctca 480
 ggttctgcta ctccatgtac tattcctgtc ttgcacaggc cagaagctaa aggtgaggag 540
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 ctgcccctgac actgattccc cagcccttgc cacccagcc cttcacccct ccactgcccc 660
 tgcagcagca gagacactcc ctcccttgcataacttgc cttctggcac cccaaacttgc 720
 tcagggcaat gatagtctgt gcttaactct acatggccag gccccactca gggaaattctc 780
 acctagaatt tcatatncag ccaaactaag cttcataagt gaaggggaaa taaaatgctt 840
 tacagac 847

<210> 8
 <211> 755
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(755)
 <223> n is a, g, c, or t

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 taagtgcataa ttttttttta tttttttttt ttttttgaga cagagtctcg ctctgtcacc 120
 caggctagag tgcaatggca tgatcttggc tcactgcaac ctccacccctcc caggttcaag 180
 tgattctttt gcctcagcct cccaaatgc tagtattaca gacgcctgcc accacgcccc 240
 gttaattttt gtacttttag tagagacagg tttcaccata ttggccaggc tggtctcaaa 300
 ctcctgacct caggtgatcc tcctgcctca gcctccaaa gtgctgggat tacaggcatg 360

agctaccacg tctggcctaa gtgcgttta cctataactaa caaaaaccaca cttctgcctc	420
gaatgagaac agtctcctga acatcttgcctc tctttgcctg actcaaagcc tcaggctaa gcctccccat aatttctagt ctcagcagaa agatcaatga caggagactc tccaggtgat	480 540
gaaattaacc aatthaagtaa cctgggttgg catcctcccg tttgttccacc agtcacctrn ctgccacagg tatatccttt ctctcancca tatatgcaca aacccccnc ccacggnaca	600 660
catannaana atttggaaaga ctanaaaatc aggcanngtn tanncacact tgngggctgg	720
agtatggnan cctggccgg nacatncata cattg	755

<210> 9
<211> 839
<212> DNA
<213> Homo sapiens

<220>	
<221> misc_feature	
<222> (1)..(839)	
<223> n is a, g, c, or t	
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accttcacta caaggatatt acaacaggac atttttaaa acctcaaaca tcaccaaaat	120
ttctaagtgc aagtttattt ttatTTTTT ttttttttt gagacagagt ctcgctctgt	180
cacccaggct agagtgcagt ggcatgatct tggctcactg caacctccac ctcccaggtt	240
caagtgattc tcttgctca gcctcccaag tagcttagtat tacagacgcc tgccaccacg	300
cccggttaat ttttgtactt ttagtagaga caggtttcac catattggcc aggctggct	360
caaactcctg acctcaggta atcctcctgc ctcagcctcc caaagtgctg ggattacagg	420
catgagctac cacgtctggc ctaagtgcattt gttacctata ctaacaaaac cacacttctg	480
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tgtatgaaatt aaccaattaa gtaacctggg ttggcatcct cccgtttgtt caccagctca	660
cctcctgcca caggtatatac ctttctctca gccatatatg cacaaacccc ctccccacgg	720
cacacataga aanaatttg aagactagaa aatcaggcna gggnttanca caccttngag	780
ggctggagta tggnanccng ggnccgggan atncatncnn tngaaaactt gactatggg	839

<210> 10
<211> 829
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(829)
 <223> n is a, g, c, or t

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 cttagccctta agtaacgcca ttttgcagg catggaaaaa tacataactg agaatagaaa 120
 agttcagatc gaggtcagga acagatggaa cagggtcgac cggtcgaccg gtcgacccta 180
 gagaaccatc agatgttcc agggtcccc aaggacctga aatgaccctg tgccttattt 240
 gaactaacca atcagttcgc ttctcgcttc tgttcgcg 300
 taaaagagcc cacaaccct cactcgggc gccagtcc tc 360
 gtacccgtgt atccaataaa ccctttgca gttgcattcc 420
 ttgggagggt ctcccttgag tgattgacta cccgtcagcg 480
 cctttgttagc aaagacagac agatggtgat ccaagagata cgcaagaaga ggaccgtgt 540
 tgtcatggtt gagctctaaa aaagagaaat cacttggatg gaantgaagg agagggaaag 600
 gctgatgtgg atggcctgga agangttcga ttggttacct tggcaccgag 660
 catcctcatn cctccctagt ctttgtctt aaaaanantt ttcttctaa ngtcccttcc 720
 ccctccncaa ggggcacaa ggatnttaa aaaacncctt tccggcnnta attttaacct 780
 angatccatc ccagnccgt nccnnnttcc nnagattcat taaaacnng 829

<210> 11
 <211> 710
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(710)
 <223> n is a, g, c, or t

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 attttgcagg gcatggaaaa atacataact gagaatagaa aagttcagat cgaggtcagg 180
 aacagatggaa acagggtcga ccggtcgacc gggtcgaccct agagaaccat cagatgttc 240
 cagggtgccc caaggacctg aaatgaccct gtgccttatt tgaactaacc aatcagttcg 300
 cttctcgctt ctgttcgcgc gcttctgctc cccgagctca ataaaagagc ccacaacccc 360
 tcactcgggg cgccagtcct ccgattgact gagtcgcccc ggtacccgtg tatccaataa 420

PCT/V/US03/37143

accctcttgc agttgcattcc gacttgtggt ctgcgttcc cttgggaggg ttcctctga	480
gtgattgact acccgtcagc ggggtcttt cagtagccct tccttgtag caaagacaga	540
cagatggtga tccaagagat acgcaagaag aggaccgtgt gtgtaatggt tgagctcaa	600
aaagagaaaat cacttggatg gaaatgaagg agagggaaagg ctgatgtgga tggctggaa	660
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<210> 12
<211> 752
<212> DNA
<213> Homo sapiens

<220>	
<221> misc_feature	
<222> (1)..(752)	
<223> n is a, g, c, or t	
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ctcccaacttc ctccactca tgtaatgaga ggtgctgatg agtcacagga gaggtggccc	180
tagataacca acagactgca aaacggacag tccctggatg tctgagccag tgtttgca	240
ctgcattgac tggctcctcg tagtttttc ctgtagttgc taaagcctgt aaggtctgtg	300
tgtatatat ttcttaaacac atcttagaag aacataatgc aagacagaat gaaaaactag	360
agaggcagaa acccccaaag taagtagtgg gaaattacca ggtatataat aggtcaagcc	420
tgctctgcag gagctcaagg gatttagca ttcttatccc aaaccactga atcctggca	480
aaaataagaa gtcgcctaattttagtatta ccagcttccc aacccgggc attcttcatc	540
ttactcaagc tgtccagagg ccccagggtg actccctata agtcccatgg gtggctgaga	600
tctatattaga ggcacaaggg tatctnctta taagtccaat ggggnngctg agatctatga	660
gaagcatctt gggggagagt gccntttggc caccagcatg tggncctna attttnctg	720
nnncaactgg nccnnggaag gaaaantttt ga	752

<210> 13
<211> 749
<212> DNA
<213> Homo sapiens

<220>	
<221> misc_feature	
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<223> n is a, g, c, or t	

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ttgacgagtt cttctgagcg ggactctggg gttcgaaatg agctagccct taagtaacgc 120
catttgcaa ggcatggaaa aatacataac tgagaataga aaagttcaga tcgaggtcag 180
gaacagatgg aacagggtcg accggtcgac cggtcgaccc tagagaacca tcagatgtt 240
ccaggggtgcc ccaaggacct gaaatgaccc tgcgttat ttgaactaac caatcagttc 300
gcgttctcgct tctgttcgag cgcttctgct ccccgagctc aataaaagag cccacaaccc 360
ctcaactcggg gcgccagtc tccgattgac tgagtgcggg gggtaaccgt gtatccaata 420
aaccctcttg cagttgcattc cgacttgtgg tctcgctgtt cttgggagg gtctcctctg 480
agtgattgac taccgtcag cgggggtctt tcagtagccc ttcccttgta gcaaagacag 540
acagatggtg atccaagaga tacgcaagaa gaggaccgtg tgtgtaatgg ttgagctta 600
aaaaangaga aatcaacttgg atggaaatga agganaggaa aaggcntgat ntngatngcn 660
gggaaanagg ttccatnggt nncttggnn anccganct tncttcctn atccccntnc 720
cntccctann ncntnnntn ttaaaaaag 749

<210> 14
<211> 794
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(794)
<223> n is a, g, c, or t

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catttgcaa ggcatggaaa aatacataac tgagaataga aaagttcaga tcgaggtcag 180
gaacagatgg aacagggtcg accggtcgac cggtcgaccc tagagaacca tcagatgtt 240
ccaggggtgcc ccaaggacct gaaatgaccc tgcgttat ttgaactaac caatcagttc 300
gcgttctcgct tctgttcgag cgcttctgct ccccgagctc aataaaagag cccacaaccc 360
ctcaactcggg gcgccagtc tccgattgac tgagtgcggg gggtaaccgt gtatccaata 420
aaccctcttg cagttgcattc cgacttgtgg tctcgctgtt cttgggagg gtctcctctg 480
agtgattgac taccgtcag cgggggtctt tcagtagccc ttcccttgta gcaaagacag 540
acagatggtg atccaagaga tacgcaagaa gaggaccgtg tgtgtaatgg ttgagctcta 600
aaaaagagaa atcaacttggg atggaaatgaa ggagaggaaa aggctgatgt ggatggctgg 660

gaagagggttc gatggttacc ttggcaacccg agcttccttn ctcatnccca tccctnccta	720
gtccttggc tttaaaaaga tttntttnt aatgtccctt nccctccaca agggggcaca	780
agatgttttn aaac	794

<210> 15
<211> 784
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(784)
<223> n is a, g, c, or t

<400> 15	
ccttggnnnn naanacggnt aacaattttt acacaggaat tactacaaaa gactctacta	60
agttctcagg gngaacaaaa aattgtatgt gtgcagaacc tgtgatttgc ctgcacatag	120
tcaagttctc aatgtatgga tgtcccgccc caggctacca tactccagcc ctcaagggtgt	180
gctataccctt gcctgatttt ctagtcttcc aaattcttct atgtgtgccg tggggagggg	240
gtttgtgcata atatggctga gagaaaggat atacctgtgg caggaggtga gctggtaac	300
aaacgggagg atgccaaccc aggttactta attggtaat ttcatcacct ggagagtctc	360
ctgtcattga tctttctgtc gagactagaa attatggggaa ggcttagacc tgaggcttg	420
agtcaaggcaa agaggcaaga tggtcaggag actgttctca ttcgaggcag aagtgtggtt	480
ttgttagtat aggtAACATG cacttaggcc agacgtggta gctcatgcct gtaatcccag	540
cactttggga ggctgaggca ggaggatcac ctgaggcag gagtttgag accagcctgg	600
ccaaatatggg ggaaaacctg tctctactaa aaagtacaaa aattaacccg gncgtngng	660
gcaggnnnntc tgtaatacta nnctacttgg ggnngntgnag gcaaaaaat canttgaac	720
ctnggnaggg gggngnttgc aatnnnccna aaaanatgcc cnntggncct ttaaccntgg	780
gngn	784

<210> 16
<211> 757
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(757)
<223> n is a, g, c, or t

<400> 16

tcctggccc	ncttgccaaa	cttcaggtg	gggtcttca	ctacaagata	gtacaacagg	60
acattttta	aaacctcaaa	catcaccaaa	atttctaagt	gcaagtttat	ttttatTTT	120
ttttttttt	tttgagaca	gagtctcgct	ctgtcaccca	ggctagagtg	cagtggcatg	180
atcttggctc	actgcaacct	ccacccccc	ggttcaagtg	attctcttgc	ctcagcctcc	240
caagtagcta	gtattacaga	cgcctgccac	cacgccccgt	taattttgt	acttttagta	300
gagacaggTT	tcaccatatt	ggccaggctg	gtctcaaact	cctgacctca	ggtgatcctc	360
ctgcctcagc	ctcccaaagt	gctgggatta	caggcatgag	ctaccacgTC	tggcctaagt	420
gcatgttacc	tatactaaca	aaaccacact	tctgcctcga	atgagaacag	tctcctgaac	480
atcttgccTC	tttgcctgac	tcaaaggcTC	aggTctaagc	ctccccataa	tttctagtct	540
tggttggca	tcctcccgTT	tgttaccAG	ctcacctnct	gnCACAGGTa	tATNCTTTT	660
tctnagccat	atatGCCAA	anCCCCtnc	ccacggnaca	catngaagaa	nttnGGAAGA	720
ctngaaaATC	aggccagggt	tnngccacc	ttgnGGG			757

<210> 17
 <211> 783
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(783)
 <223> n is a, g, c, or t

<400> 17	annaacttga	atgaccctc	tngccaaATC	cttagggggg	ggtccttcac	tacaagatAG	60
	tacaacagga	cattttttt	aacctnaaac	attaccacaa	atttctaagt	gcaagtttat	120
	ttttatTTT	ttttttttt	ttgagacaga	gtctcgctct	gtcacccagg	ctagagtgca	180
	gtggcatgat	cttggctcac	tgcaacctcc	acctcccagg	ttcaagtgat	tctcttgct	240
	cagcctccca	agttagctgt	attacagacg	cctgccacca	cgtccccgtta	atTTTGTAC	300
	tttttagtaga	gacaggttTC	accatattgg	ccaggctggT	ctcaaactcc	tgacctcagg	360
	tgatcctcct	gcctcagcct	cccaaagtgc	tgggattaca	ggcatgagct	accacgtctg	420
	gcctaagtgc	atgttaccta	tactAACAAA	accacacttc	tgcctcgaat	gagaacagtC	480
	tcctgaacat	cttgccttT	tgcctgactc	aaagcctcag	gtctaaggct	ccccataatt	540
	tctagtctca	gcagaaAGAT	caatgacagg	agactctcca	ggtgatgaaa	ttaaccaatt	600
	aagtaacctg	ggttggcatc	ctcccgTTT	ttcaccagct	cacctcctgc	cacaggtata	660
	tcctttctct	cagccatata	tgcacAAACC	ccctncccac	ggcacacata	gaagaatttg	720

gaagactaga aaatcaggca ngtatagca cacttggag ggctggagta tggtagcctg 780
 ggc 783

<210> 18
 <211> 770
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(770)
 <223> n is a, g, c, or t

<400> 18
 tccgggnnc gcttgccaaa cttcaggtg ggtctttca ctacaagata gtacaacagg 60
 acattttta aaacctaaa catcacaaa atttctaagt gcaagtttat ttttatttt 120
 ttttttttt ttgagacaga gtctcgctct gtcacccagg ctagagtgc gtggcatgat 180
 cttggctcac tgcaacctcc acctcccagg ttcaagtgtat tctcttgct cagcctccca 240
 agtagctagt attacagacg cctgccacca cgcccggtta attttgtac ttttagtaga 300
 gagaggttc accatattgg ccaggctggt ctcaaactcc tgacctcagg tgatcctcct 360
 gcctcagcct cccaaagtgc tgggattaca ggcatgagct accacgtctg gcctaagtgc 420
 atgttaccta tactaacaaa accacacttc tgcctcgaat gagaacagtc tcctgaacat 480
 cttgcctctt tgctgactc aaagcctcag gtctaagcct cccataatt tctagtctca 540
 gcagaaagat caatgacagg agactctcca ggtgatgaaa ttaaccaatt aagtaacctg 600
 gttggcatc ctcccgttg ttcaccagct cacctnctgc cacaggtata tcctttct 660
 tagccatata tgcacaaaacc cccttcccac ggnacacata gaaaaatttn ggaagactag 720
 aaaatcaggc agggtnagc acacctngn gggctnggag tntnggtanc 770

<210> 19
 <211> 774
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(774)
 <223> n is a, g, c, or t

<400> 19
 tccgggnnc gcttgccaaa cttcaggtg ggtctttca ctacaagata gtacaacagg 60
 acattttta aaacctaaa catcacaaa atttctaagt gcaagtttat ttttatttt 120
 ttttttttt ttgagacaga gtctcgctct gtcacccagg ctagagtgc gtggcatgat 180

cttggctcac	tgcaacacctcc	acctcccagg	ttcaagtgat	tctcttcgcct	cagcctccca	240
agtagctagt	attacagacg	cctgccacca	cgccccgtta	atttttgtac	tttttagtaga	300
gacaggttcc	accatattgg	ccaggctgg	ctcaaactcc	tgacctcagg	tgatcctcct	360
gcctcagcct	cccaaagtgc	tgggattaca	ggcatgagct	accacgtctg	gcctaagtgc	420
atgttaccta	tactaacaaa	accacacttc	tgcctcgaat	gagaacagtc	tcctgaacat	480
cttgcctctt	tgccctgactc	aaagcctcag	gtctaaagcct	nccataatt	tctagtcctca	540
gcagaaagat	caatgacagg	agactctnca	ggtgatgaaa	ttaaccaatt	aagtaacactg	600
ggttggcattc	ctcccgtttg	ntcaccagnnc	tnacctnctg	ncacagggnat	atnctttnt	660
ttnagccata	tntgcacaaa	ccccctnccc	acgggnacaca	tagaaaaant	tnggnagact	720
ngaaaattca	ggncagggn	tagcncccc	ttgggggnnt	ggnntntngg	aacc	774

<210> 20
<211> 914
<212> DNA
<213> Homo sapiens

<220>						
<221>	misc_feature					
<222>	(1)..(914)					
<223>	n is a, g, c, or t					
<400>	20					
tggggnnc	ggtatcgccg	cttccgattc	gcagcgcattc	gccttctatc	gccttcttga	60
cgagttcttc	tgagcgggac	tctggggttc	gaaatgagct	agcccttaag	taacgcccatt	120
tgcaggca	tggaaaaata	cataactgag	aatagaaaaag	ttagatcga	ggtcaggaac	180
agatggaaaca	gggtcgaccg	gtcgaccggt	cgaccctaga	gaaccatcag	atgtttccag	240
ggtgccccaa	ggacctgaaa	tgaccctgtg	ccttatttga	actaaccaat	cagttcgctt	300
ctcgcttc	ttcgccgc	tctgctcccc	gagctcaata	aaagagccca	caacccctca	360
ctcggggcgc	cagtcctccg	attgactgag	tcgccccgg	acccgtgtat	ccaataaaacc	420
ctcttgca	tgcatccgac	ttgtggtctc	gctgttcctt	gggaggggtct	cctctgagtg	480
attgactacc	cgtcagcggg	ggtcttcac	tctctgtgta	ctggtaacaa	cagacccctgg	540
accagggcct	ccagttcctc	attcagtatt	ataatggaga	agagagagca	aaaggaaaca	600
ttcttgaacg	attctccgca	caacagtcc	ctgacttgca	ctctgaacta	aacctgagct	660
ctctggagct	ggggactca	gctttgtat	ttctgtgcca	gcagcgtagg	ttgttagctt	720
aaacagttct	tcngggccag	gggacncggc	tnaccgggn	aggtaagaag	ggggcctcca	780
ggtgggaaan	aagggtgagc	agnccanccc	tgcacgaccc	nnnaaccntn	ttcttaggg	840

gaggggnncatn ncaggccnt ctnngngaa nngggtttgcgcnagggt 900
 ccccaggcgt gnnc 914

<210> 21
 <211> 1604
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(1604)
 <223> n is a, g, c, or t

<400> 21
 gngtggnatt gtgagcggat aacaattca cacagnaatt cagtaaatgt tgatgtcaca 60
 ttggggcag cagctctagc tacattcaac tctacctgaa aactggctt tagtataagc 120
 catggatcca taacacatag gctagttac aacaagtaat ttcagcattt ttggataatt 180
 acattccctc cgacaatttc taaggagcct gcatgatact gaactgtgtc agaaaatagg 240
 tgctacagt aatatgtat tctaattcagg ctttttact atgaaattat agtaaaatgc 300
 actataatca actcatataa attgctctgt gcctataactt atctctaattg aagggaagca 360
 aattgcctta cctgaaatta taaaagaaaa tgattacaaa ggtatggaag tttataggca 420
 tcttataaga cctgatttta ttatgcatta tatagatggc aaaaaattcc tatttatcca 480
 gaatctaaat gaccaggaag ctc当地ataaa atgtgtttca tggaaatttg ttttatgtg 540
 ctgaattgca agatcctgaa gggctttaa gatcatcaaa gaaacatgaa tgctcacaca 600
 acttttagagc tgtaagaggt gtggagttca catggcccaa cctgtccatt tgacagctgc 660
 gtgctgagcc caggggagag catggcttgc ccaatgaatt tgtgacaaaag cgagacctgg 720
 rgnnacctt cagttccct yataccccac aaatgggtct ttgtgtctta cttagkgnnaa 780
 tggtattaaa taccacagncc ttttgtta ttctaanyc ttagaaattt cctaatttat 840
 gcatgggycc mcccctgcta aaatttcagc atacaccatg atatcttgc gctcccttcc 900
 cacttaatct tctctcttag cattttcactg attaaaaaaaa atcatctgtt ttccccatata 960
 gcaggcaaga ttccctaaagga caaataactt tttttttttt attcaactgct gaatcaccta 1020
 gaacggtacc cagcacaaag tgagaggtt agaaatagtt gttgaatgaa aaaaaaaaaatg 1080
 aatcgtttat gataatcctc aaatccatc actgcattat cagaatacc cattttttat 1140
 gtcatctatt tgacactttt ccagaacttc tgatgtgcca ggcattttac aaggctgagg 1200
 tgaaccacag agtaataggc ttatatttatt cattcaggaa gcttaattta aggtgatcct 1260
 attattgtaa ctccttaatg caatgtcatc tcttatcagc ttaattctgc agactgttagc 1320

tatgtattac tccctgaagg aattatttc acttcaacc tgaagtagg actcatgatt 1380
 cagcaatctg ctttctggg tcataacaagg gaaattgcaa tctttgtgct tgcttgccaa 1440
 agctgagaaa gatggagcag natcaaaata agcaggattt gccaggcaat tttgacatat 1500
 tcttcctctc acatataacc atcacaaagt aatgcatttc ataatgagaa ganccttgca 1560
 ctagaagcat acatagtatc acatgnctca tcttctngnt tctn 1604

<210> 22
 <211> 844
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(844)
 <223> n is a, g, c, or t

 <400> 22
 ttggggancc gcttgccaaa ctttcaggtg gggtcttca agaggtctcc agacctaggg 60
 gagcatctca gcgtcaactcg ctgtccagtt gctgtatca ggtgtttgg ggtttgtgtg 120
 actccagaat ccactgggcc tgtgtgtcag aagacaaaag ttaaccataa ggcacagaag 180
 aaaggcctcct gctgaagcca tcgttggccc acatgcattt cagggacaag aaatgaagat 240
 cggagacttt caagttgtgc ccaggactca cctgctccc ggagacaaaa ggccacacag 300
 cagaggagcc tgaagcccat ggcaggatct cctagcttgg ggctgggtgc tctgtagtaa 360
 gcattctgaa gttcctaagc tcccttcttc ctgataggag cattgacctg tgatgtcacc 420
 acactgacat acttccccct gcaggccact ccagcccact gtactcttgc gcaggcctca 480
 ggttctgcta ctccatgtac tattcctgtc ttgcacaggc cagaagctaa aggtgaggag 540

 ctgccctgac actgattccc cagcccttgc accccagccc cttcacccctc cactgcccgt 660
 gcagcagcag agacactccc tccttgatgc aaactgaggg ctctggcacc cnactcttc 720
 agggcaatga tagtctgtgc ttaactctac atggccaggc cccactcagg gaattcttat 780
 gaaattatta ttttttnta tttctggaa acaaagcgat gtatttattt ctgtttnggg 840
 gata 844

<210> 23
 <211> 1562
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)..(1562)
 <223> n is a, g, c, or t
 <400> 23
 tttacanaa ctnccccccc tnaatcaaca gaatatacat ttttnnagc cccncaatac 60
 acttattcta aantgnccca cataatngga agtaaaccac tcagcaaata taaagancag 120
 aaatcccanc aaactgtctc tcagaccaca gtgcaatcaa attagaactc agggtaaga 180
 atcacactca aaaccacaca actacatgga aactgaacaa cctgctcctg aatgactact 240
 gggtaaataa tgaaatgaag gcagaaataa acacgttctt tgaaaccaac tagaacaaag 300
 acacaatgta ccagaatctc tggcacat taaaaggagt gtgttagaggg aaatttata 360
 cactaaatgc ccacaagaga aagcaggaga gatctaaaat cgacatccta acatcacaat 420
 taaaagaact agagaagcaa gagcaaacat attcaaaagc tagcagaaga cgagaaataa 480
 ctaagatcag agcagaactg aaggagatag agacacaaaa aaaaccttca aaaattaatg 540
 aatgcaggag ctggttttt gaaaagatca acaaaatagc cctctagcaa gactaataaa 600
 ggataaaaaga gggagaatc aaatagatgc aataaaaatg ataaaggggta tatcaccacc 660
 aatcccmcmg aaatacaaac taccmtcaga gaatactata aacmcctgta tgcaaataaa 720
 ctagaaaatc tagaagaagc agataaattc ctggcacat acaacctccc aagactaaac 780
 caggaagaag ttgaatctct gaatagacca ataatagggtt ctgaaattga ggcaataatt 840
 aatagcctac caaccaaraa aagtcgagga ccagatggat tcacagccgt attctaccag 900
 aggtacaaag aggagctggt accattcctt ctgaaaactat tctgatcaat gagaaaaaaag 960
 ggaatcctcc ctaactcatt tatgaggcta gcatcatcct gataccaaag cctggcagag 1020
 acacaacaaa aaaagaaaat ttcaggccaa tatccctgat gaacattgat gtggaaatcc 1080
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 gggatgcaag tctggttcaa catatgcaaa tcaataaaaca aaatccatca cataaacaga 1200
 accaatgaca aaaaccacat gattatctca atagatgcag aaaaggcctt caacaatatt 1260
 caacagcctt tcatgctaaa aactctcaat aaactagata ttgatgaaac atatctcaac 1320
 ataataagag ctatTTGA caaacccata gccaatatca tactgaatgg gaaaaactg 1380
 gaagcattcc cttgaaaac cagcacaaga caaggatgcc ctcttcacc acttcgattc 1440
 aacctagtat tggaagttct ggccagggcc atcaagcaag agaaagcaat aaggggtatt 1500
 caagtaggaa gagaggggnt ttctgtgtga aaangttanc cgctggnnan ccccaaanan 1560
 aa 1562

<210> 24
 <211> 1446

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(1446)
 <223> n is a, g, c, or t

<400> 24	
ttggtactgt cagaccaagt ttactcatat cggatccgag gagcaggcg gcctgaggcc	60
gagtcagctg cgccggcccc cggatcctgg gctgtcatgt aacatcttcc aataaatgtg	120
atcttggag gagaccattt tgggccttgg tttccacatc tgcgaaatgt tattatagcc	180
atgaacactt actgaaaagct taccccatat gccagacaca tcttccaatc aacttatgtg	240
agttatctca ttaattttc acaacaatac aaagtagcgg ggaaaacttc tggcttctct	300
tgaaaactca gaaaatctaa caatgttgag tatgagtcca aaatgtcagc aagaagccag	360
agctgaatag ggaaggctgt tttagatgag accattagcc acagacctca ccactcttct	420
tactgtgcta ctatattcct ttatagtacc tgagtggttc ctgctgcgtg tgggttttg	480
gccctgcatt tagatggnc ttatnattc ctcttcaccc ctgagcttg atgtttttg	540
ctccatgtca ctttcaccag agtggtcagg ccattttca atattcwkac ctrggcaaaa	600
ggtgcatgac tttaactcc cctagttaa ttaaggcttc takaawgaac angannangc	660
tttggagct gaggaagggt gtcactgtg ccctataaaaa tagagttca atagacactg	720
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gaaagtawtg arangaaakg aacwwkgaam ytcwgaaaca ngacctctm akanswarcm	840
aggrccctms tagtctanyt wrggtaaagc caagtgtgac cctaaggcaa gttacttaac	900
ctctgcgtct cagtttcctc atctataagt taatgacaac ctctacccca taagggagct	960
tgaaagaaaa tccaaaaaaag aaagaatctc tttgagttgc taatgactct taagttctg	1020
gttctagtcc tttgaccatc atgacagtcc tatggttta cggaaagaact atccatctct	1080
atttaaaaaa caaaaaacac aaagaccttt tttgcttaag ctaacttgt ttgggtttca	1140
tccaccagga agttagagag agaaattact tagagataaa cttacacatt acaaatcctt	1200
ctgttctgtg tgctttaaa aatgttcaat ttctaaatgg gcctctggtg aagataatga	1260
tcacctcatt gatttgtcc caggagaaca gggtaaaatg aagtccgtc gatcacattt	1320
tctaaatctt tttantccca ttgctttggg aaagtttcta caccagtnat cttntacag	1380
cctccctctt tcccatggtt ctttctgtc accaccagga aaggaggaat cccanancag	1440
tcttgc	1446

<210> 25
<211> 840
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(840)
<223> n is a, g, c, or t

<400> 25
ggaattgnna gcggntaaca atttcacaca gnaattctta ttatggtaag ttccctgagat 60
ttgagatggt ttgttataca acaggaaact gataggctta ttcttcaga ggagcaaaac 120
agggatgatt gctattctct tcaatgggtt gagaaagaa gaaattatgt gaacatttat 180
acactaataa tttattctgt catattcag tcagattaa gcaaacagcc aaaaacaagg 240
acaaaagtcca aggtaaagaga ctgatgataa gtggcctgtt tacaaggaaa ataagatcac 300
tagctctact tacagctgat tcagaataac ttcattttt aagcctaaaa ttttacagtc 360
aagctcttga gtgcaatttc cttaacattt tctaaaccat acagaaaatc ataaagaaac 420
aatatttctt tgttttagtt tccttttag gagtttagtc ttatttaaa aatatttct 480
agcctgttta ggctcttatt taaaattatc tactttctc aaagtcttgc tcataacttga 540
gatatccaaa atattgaatg agtgatgtaa actataccag ataaactatg agtctatatt 600
tttaccctga ttcagtcagt ttccaaggag aactttgaac aactaaaaat gtgtattact 660
ataatctctc tgaaatattn ctnattaatt ttttgggggn aaaatgagtc attctgagcc 720
aaaaaaaaaaa angtnacca gacantttcc actnctaact tgnntggcg atncagcag 780
attcaanttc cagcatnggn agatncggna gatnnnggnc ctaccatgan cttaccttcc 840

<210> 26
<211> 861
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(861)
<223> n is a, g, c, or t

<400> 26
tttnctcct aacttgagtt ggcgatataca gcagattcaa attaccagca atggaaagat 60
acaggaagat gtaggtacct accaatgagc ttaccttccc agtgctctat ataacctcac 120
ttctatagcc caaagtatta aaaagaagaa aaaataataa ttcaggctta ctatTTAAA 180
atacagtgat tctggccggg cacgggtggct cacgactgca atcccagcac tttgggaggc 240

PCT/VIS03/37243

cgaggcgggt ggatcacgtg aggccaggag tttgagacca gcctggccaa tgtggtgaaa 300
 ccctgtctcc actaaaaata caaaaattag ctgggcattt gggcgccgc ctgtaatccc 360
 agctactcg gaggttgaga tgggagaatt gcttggaccc aggaggcaga gcttgcagtg 420
 agccaagatt gcaccactgc attccaccct gggtgacaga gtgagaccct gtctcaaaaa 480
 acaaataaaaa atacagtgtat tctgagaggc cttcccttc cacaccaccc cctacttgtt 540
 tgatagctct catcccattt tcctcaactg ccacatatgg ccaggacttc cacagtgtat 600
 taaaacatctt ctttggacaa gagaaatttc actgaagcaa tgagtgtaga agttattagc 660
 atgaattgaa gactgatgct ggcacacaaa tagggagaca catcaatata atgaccta 720
 gaatctagaa atagcttcan gaantntgga aaagtagatg tgataaaaagn tgcatttnaa 780
 tcanngagca aagtnttaat anaattgaga cacctatgtn gctatnngga aacattaang 840
 tnngntgcat antngaaaact t 861

<210> 27
 <211> 875
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(875)
 <223> n is a, g, c, or t

<400> 27
 ttgggnnacc gcttgccaaa cctacaggtg gggtcttca agaggctcc agacctagg 60
 gagcatctca gcgtcactcg ctgtccagtt gctgtgatca ggtgccttgg gtttgtgt 120
 actccagaat ccactgggcc tgggtgtcag aagacaaaag ttaaccataa ggcacagaag 180
 aaaggcctct gctgaagcca tcgttggccc acatgcattt cagggacaag aaannnagat 240
 cggagacttt caagttgtgc ccaggactca cctgctccca ggagacaaaa ggccacacag 300
 cagaggagcc tgaagccat ggcaggatct cctagcttgg ggctgggtgc tctgttagtaa 360
 gcattctgaä gttcctaagc tcccttcttc ctgataggag cattgacctg tgatgtcacc 420
 acactgacat acttccccct gcaggccact ccagccact gtactcttgc gcaggcctca 480
 gtttctgcta ctccatgtac tattcctgtc ttgcacaggc cagaagctaa aggtgaggag 540
 gactgaacac agtaccaaca tacccacatc acaccttact ttcctctgcc cgccctgtcc 600
 ctgccctgac actgattccc cagcccttgc caccccaagcc ctttccaccct ccactgccc 660
 tgcagcagca gagacactcc ctccttgcata caaactgagg cctctggcac cccaaactctt 720
 tcagggcaat gatagtctgt gcttaactct acatggccag gcccccaactc agggaaattct 780

aatatgaatg taaaactncag gtgttgcag ctagtgcttc cttggaaaan cccctgtnc	840
agctnctaca catgctctta tctntagctn ganca	875

<210> 28
<211> 901
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(901)
<223> n is a, g, c, or t

<400> 28	
ctnctctng ggngtnnnnn nacnatntan nnnnatcgnc tcnacantnn nttncnnggg	60
aaaaaacctct gtctaaccctt acatgaaaaa acccgttcc aacgaaggcc tctaagaggc	120
caagatatcc acttgcagac tttacaaaca gagtgtttcc aaactgctga atgaaaagaa	180
aagttaaact ctgtgagttg aacgcacaca tcacagagca gtttctgaga atgattctgt	240
cgggtttta tacgaagata ttcccttttc tgcccttggc ctcaaagcgc ttgaagtctc	300
cacttgcaaa ttgcagaaaa agagtgtttc gaatctgctc tgtctaaaag aaggttcaac	360
tctgtcagtt gaatacacac aacacaagga agttactgag atttcttctg tctagcctta	420
catgaaaaaaaa acccgttcc aacgaaggcc tcaaagaggt caaaatatcc acgtgcagac	480
tttccaaaca gagtgtttcc aaactgctga atgaaaagaa aagttaaact ctgtgagttg	540
aacgcacaca tcccagagca gtttctgaga aagattctgt ctatttta taggaaaata	600
tttcctttc tgctttggc ctcaaagtgc ttgaaatctc cacttgcaaa ttccacaaaa	660
agagtgtttc aaatctgctc tgtctaaagg aaggttgaac tctgtgagtt gcatacacac	720
aacacaaaaga agttactgag aaatcttctg tctagcataa tatgaagaaa tcccgtttcc	780
acgaaggcct caagaggnc aatatncact ggcaggctn caacagagtg ttnctactgc	840
tctgtgaaag aangntaact ttgnngttga ccaccatnan aagnnttttg naanattgn	900
n	901

<210> 29
<211> 856
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(856)
<223> n is a, g, c, or t

<400> 29
 cnttggnnng tttaaaangg gcnganatat gcttnacatc nattgggggn aaacctcttg 60
 cgtgagtatt caagaaccct ctcttggat ctggatcggg accccttcc tgtaacatat 120
 gcaaggaaag aaatgcagag gaatggaact gagccatgga acagacattt ggggttggc 180
 aggaggagtt agcagagaga tctgcatagc tcttaccta cttagcacta gtgctgttca 240
 aggtagaact cacagcataa gaattcttagc atctgcataa atttggagag caacttgct 300
 tctccttaga tacacgaata tggaaaatgc aatagaagtt gcttatcatg cactcaggtt 360
 gagtgaagtt ttatcataat gaagctaaat gaaattccca aattgctctg gtggagagga 420
 acgccttgat attccacttg tggaaaaatg gctctatgcc aaaaataaaag ttacatcaac 480
 ctcagtacag gagaatcag agtttctgct cacagcagca gcagaggaat catctgcaac 540
 acagagactt ttgggttgta tgtaaggcag cttgctgga tggtctttaa cagggtttg 600
 gtagggacat ggttagaggct ggccctaaa ctcttcaaac gtttcttccc agccctttag 660
 ctttgacctc acgtgcagag ttgagttat tataagcctt atttatggc acactttcac 720
 cattaagttc atacacagcc ccattttgt gccatttttc actcctatgt cctttctcc 780
 cctaagcaac catgtaaaca tgtagagng ggngagcgtg cacacnccat acacacacat 840-
 tcatttacac atgatt 856

<210> 30
 <211> 890
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(890)
 <223> n is a, g, c, or t

 <400> 30
 cnnnnttctgg gggngtannn aactaannna nnntnaatncc ncccaatnnn ttccgggggg 60
 aaaanccca gnactccata attcncaagn atcacatgna tcacaggaga ggagactgg 120
 ggagtcaatg gatagaggat ttataagcca agaaaaaaaaa atggagcccc aaactgtgaa 180
 atccaagaag ggggtcatgt gaaccccaat ttatagccag ttttcagaa gaataagtga 240
 caacctacta cttgtgattt gcacttgaag tgggaggcag tcgtgagggta gttaatatgt 300
 gggactaac cctactctag gtagtgttga attgaatcaa atcataggac atctagttgg 360
 tgtttgctgg aaaactggtt gttggtgag tgaaacccct acatattttg gtgatcagag 420
 gtgaagtgtt gtgttaagtg gtatgagact gggaaaaaca ctttggtttt tcctgtctct 480
 cacagaatta aagttccaa gagaagcatc agaagagtgg aagggttggga ccagcaaacc 540

acaagcccta ggccccaaac tagggtcaag tggaaaagca gggataata gtgaaatggc 600
 cctcctctcc acttctgcag ctccagtgac gctgttccta ctcattgtca cactggaatg 660
 gttgcaggat gaacacgatc ctctggaaat ggagacatct tctgaaggta gaggaaactg 720
 cagtcttcct gcccccgacc gccactcgca gaggttggga atgtcagcct nctccaaccc 780
 antctttnt atgggatttt ccttactttg ggggggact gnaatgntac ctatctttt 840
 tttacaantt gggggggntc cnccccactt anngaccnng nttnncnng 890

<210> 31
 <211> 732
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(732)
 <223> n is a, g, c, or t

<400> 31
 attcttttgg gnaccgtcag naccaagttt tactcatatc ggcatttcctct ctcggtggt 60
 gctgcagcgg ggctgggtgtg ctgcaaccccg gacggagctg agtgaggggc acaatggcag 120
 caacctgcag gcaccaaaga gcccccaaga gctgctcagc ggtgcctgat caaagtttgt 180
 ctgggccagt gcttgcgtcat tgtgtacgct gtgcgacaaac caggaaggag agctgggttt 240
 tgccatcctc caacgcttct taaataggaa actttttggg tagcacctgg cctagttcct 300
 ggaacacaga aggtgcttag ttagtgcgtat ttccattcgct catctgtct cttgggcatg 360
 gaaaagagtt tacaagtgcctt ctttcattat ccattttgtat gtggaaaggt gggcaggggg 420
 aagatgagta cccgctctcg ccctttggtg tgatgtttgt gacgtacatg aggcatgtgg 480
 gagagtggat cacagcattg gacagactgg atcccttctg gtcccacatc actcaggcaa 540
 ctctctcttc ccacctgccc cccaaactcc ctnacacccctc cttccacatg tatectccca 600
 cttncttcca ctcatgtaat gagaggtgct gatgagtcac aggaagaggt agcccttagat 660
 aaccaacaga ctgcaaaaacg ggacagtncc ntggatgtct gagccagtgt ttngngcact 720
 gcattgactg gc 732

<210> 32
 <211> 672
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)..(672)
 <223> n is a, g, c, or t

<400> 32
 tttggnaacc gtcagaccaa gtttactcat atcggatccc aggagacacg ctccaaggc 60
 tgggtggaa aagccccaga aaggggaggg ctgcggggag tgagaatcg gatggacctc 120
 acagacgaca aacagatgga caaaaagctt ctctccctgc cgctccctcc cggccaccaa 180
 ctccagcccc tctgtctcca tcccccttcc ctgtctgtcc tgtctgaatc tctgaatctc 240
 tgcctgtttn tttttctctc tatgaatcac agcggttcag agcctctgag agaaaaatgg 300
 gaaaaagaaga cagagatgat agaaaatgca gagtggtcggt gtgtgtgtgt gtgtgtgcat 360
 gtgtatgcgc gcgtgtgtgt gtgtgtctgt gcatgcgtgc acccagcatg aagtctggtc 420
 tggagaatgt aactaggag ggaggaagag aggggacgag agaagcagag gatgaacaaa 480
 gagactttcg aagctcatag gaaaaagcct gggaggcaac agcagcaggg acacgcata 540
 gccgcacacc cctacacaca ccacacacca cacaccacac acaccctgca tgcaccctgg 600
 agacatgccc cagactccag gcggggagggg tggagcaggg ggtgtgaaat atggttggtt 660
 gggttgggtt tg 672

<210> 33
 <211> 770
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(770)
 <223> n is a, g, c, or t

<400> 33
 nttttgnant gtnccggnt aacaatttca cacagnaatt catttaacg ttgtacatat 60
 ttattataca agaaatattt ttccatcaa aaagtactca ttcaaaaaat atttaatcta 120
 gaatagagat tataaatttt taacttaatt ttatTTTT cttaggaaa actctaagat 180
 atcattacca tttcaaaac tgtcaagtag tggtaatga cacttcttat atgttaattt 240
 taaaagaat atttctaaca cacatttta atggagaatt atatcttata cagaatgata 300
 cattctaagg gtgatgtta tgaaagaaat ttaagcttgg ttaacatgct tagtaaaattt 360
 ttttaataca aataaaattc agagtataatg gtgtgaagtg agttatatgg tgcaaatact 420
 atttaattt tcgaacactt ccacaaaattt agcttggaaa ataaaattaa acccacactg 480
 agatgctaga tttgcagatg aatcattcat tttttacat ttcttttat ttctctaact 540
 aaattatatg acagaaggca agggtcatga ttaattcatt gttgtattct ttatataatta 600

aatataagct cctcaataaaa tattatggaa aaaatgaaca aacacttcac attttattgt 660
 tttctatatt ttcaagggtt ttatattaatt cttcatgtgc tttgtgactt tattttctcc 720
 aaagaaaattc ttcttgaat gaaaagttca caanagtttag gataactgga 770

<210> 34
 <211> 777
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(777)
 <223> n is a, g, c, or t

<400> 34
 nttnnatt gtngcgcgn taacaattt cacacagnaa ttctttgtc aagaattata 60
 agaagaaaatc ccgtttccaa cgaaggcctc aaagagttcc aaatatccac ttgcacactg 120
 cacaactaa gtctttccaa actgctctat gcaaagaaat gttcaactct gtgagttaa 180
 tacacacatc acaaagcagt ttctgagaat gatactgtct agttttata cgaagatatt 240
 tcctttgtta ccattggcct catactgcta gaattttcca cttgcaaatt ccacaaaaag 300
 agtgtttcca atccgctctg tctaaaggaa ggttcaactc tctgatttga atacatacat 360

 caatataaaa cgtagattgt cacttcaaga aaatacctgc cttatacaga actaagtggc 480
 tgtttcaagt aaaaatggtg ttccatgaaa aagctgctag ttcagctggc aactcaaaca 540
 atggcacaag tgccttatgc catttctatt ttatcacaca tattaaaaac ctggccagca 600
 cggtggctca tgcctgtaat tccagcattt tggnaaggcc gaggcaggtg gatcatttga 660
 ggccagnagt tcaagacang cctggccaac atagcaaaac ccccattttt actaaaatac 720
 aaaatttagcc aggcntgggg gcgcgtgcct gtantccnnnc ttctcgggag gctgagg 777

<210> 35
 <211> 799
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(799)
 <223> n is a, g, c, or t

<400> 35
 tnnttttggaa gtgancgcgg ntaacaattt tacacaggaa ttcttagggtt ggttcatggt 60
 ttgagacttg agagtggaca ggtgcctagt tagacctgct ctggatgtgg aggtgtctgg 120

tgattagaat gactttgt atatctgttc cctcttaat tgttccctt taacctcaag	180
attaggctt tattgcataa taaaatgcat atgagccatt cagtttact ccattacctc	240
tctggcttag aatgaactat cagtagaatt aacaaaaatt gcatcataga gttggagaat	300
tgccaccaag gaagtgttct agccatacta cagaaaagat tctccccatg ggattactc	360
tcagtagaat tcagcaacca attcctggtg aatctatcca agcagagaaa tgaaaacata	420
tattcactaa aagacttgaa cacaaatgct catagcagcc ttaatcaaaa tagagaaaaa	480
ctggaaacat ttcaaattgtc tatcaactga tcaatatata agaaaaatata ataaagcatt	540
tgcagacaat aaaaaacaaa atattgatat atactaaaac atggnatgaa cctcaaagcc	600
actataactag atgagagatg tcagacacaa acctactgta tttgcaagat gccatttact	660
tgaaaaatcc agaaaagtcg catttacaga gacagtaaaa cagataagtg ggctgcctgc	720
ggctgggggg ttgnaaaagc nattttgctg caaatgaact tangaaaatt ttttttnggg	780
ggggggngat anaaaattn	799

<210> 36
<211> 417
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (1)..(417)
<223> n is a, g, c, or t

<400> 36	
ancttggtaa ctgtcagnac caagatttac tcataatcgga tccccaggaa tactattttt	60
taaagactat caatattcta caaaggaaa tttaggttct caattgtgaa cgaaaaaggaa	120
catcaatggg catgacctaa gaccccttc tacacagtta aacaacaatt tcacaagata	180
tgatttaaga gaaagcttc agggacgcct gggggctca gtgggtgagc gtctgccttc	240
cgctcagggt gtgatcctgg agttccggga ctgagtcctt atggggctcc ctgcatggag	300
cctgcttc cctctgccta tgtctctgcc tctctctgtg tctcatgaat aaataaataa	360
agnncttatt ttttttaaga ttntatttat ttatncatga nagagagaga gaggcng	417

<210> 37
<211> 434
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (1)..(434)

<223> n is a, g, c, or t

<400> 37

tggtaactcg tcagnaccaa gatttactca tatcggcatc cccaggaata ctattctta	60
aagactatca atattctaca aaggaaatt agagttctca attgtgaacg gaaaggaaca	120
tcaatggca tgacctaga cctccttcta cacagtaaa caacaatttc acaagatatg	180
attnaagaga aagctttcag ggacgcctgg gtggctcagt gggtgagcgt ctgccttccg	240
ctcagggtgt gatcctggag ttccggact gagtcccaca tgggctccc tgcattggagc	300
ctgcattctcc ctctgcctat gtctctgcct ctctctgtgt ctcatgaata aataaataaa	360
gtccttattt ttttaagat ttattttattt tattcatgag agagagagag agncngnngc	420
ntngcngnng ggng	434

<210> 38

<211> 1425

<212> DNA

<213> Canis familiaris

<220>

<221> misc_feature

<222> (1)..(1425)

<223> n is a, g, c, or t

<400> 38

cnggcngnng angattntng tcgnnaccca tggcgaatgc ctggctngcc gaatattcat	60
ggtgaaaaat ggccngcttt tctggattca tcgnactgtg nccggctggg tgtggcggac	120
ccgctatnca gnacatagcg ttgggctacc cngtataat gctgaagagc ttggcggncg	180
aatgggctga ccgcattcctc gtgskkkanc ggtatcgccg ctcyccgatt cgcagcgcatt	240
cgcattctat cgcattcttg acgagttctt ctgagcggga ctnctgggt tcgaaatgag	300
ctagccctta agtaacgcca ttttgcagg catggaaaaa tacataactg agaatagaaa	360
agttcatctc tgctgtcttt ggccattctc tctaggcattc tgctcatgtg gaggcataag	420
aaaatattga catgcttcac attacattt cagagtatgt tattcatgta atttatttgt	480
aaaatctacc aatacaattt ccccccaatc aagtaaaact agttaaaag atctctgcaa	540
agattagctg aggaagaaac atatgtgagt agaatcagaa tgttaagagc tgacaggtta	600
gcagatagca tgcccatgat ttttgcgggt ttggccctt ttttgcggct aaatcttaca	660
gagaggccca acccttagagg taaaatgatt aaaacagatg tgctgcagtt ggcggggagg	720
gtgctgcgcc agggaaagcc caagactgct gctggctgcc ttccctcctg aycttatccc	780
atgtctcatt tgaaaaccaa tagttgaaaa actctcaatt ttcagatgag aacgaaaaca	840
aaaatgcaaa gaaggcaaat gattcaytca aarwtactca gtgaatkrga sccawsatgt	900

ggaaatacaa ctctggcctt ctgtttctga atctagtggt atttccaggc tcacaggaag	960
cttcctgtac cttgctccac tgtgtgtgtt ttggatggc cctgggtttt gattacctyt	1020
cgtggcaggc ccaacagccc ttgctaaggc acagactgca tattgctga tccctgaggn	1080
ggaaagctgt gattcagact ttgaggtcta agaattgcag acttagttc tagtctcccg	1140
atgaaaactgc taatctgggt gccagtggtg tttctgctac acggacacct gcccacacag	1200
catgattaga aattataatg atgacggcga tgagtcttcc aggacaccta cgttcttgc	1260
aagatatttc tgctaatcgt ctctaccaga atcagttgga gaacttttt tagtttttt	1320
ttttttttt taattcccc ctttctaagt caagtaaaaa tactagtttta attnctggtg	1380
tagggtaatg atttgtcctc accattactg atgtgtcatt ttttg	1425

<210> 39
<211> 674
<212> DNA
<213> Canis familiaris

<220>	
<221> misc_feature	
<222> (1)..(674)	
<223> n is a, g, c, or t	
<400> 39	
caaaaaatga cacatcgta atggtgagga caaatcatta ccctacacca gnaattaaac	60
tagtattttt acttgactta gaaaggggaa aattaaaaaaaaaaa aaaaaaaaaaaa aactaaaaaaaa	120
agttctccaa ctgattctgg tagagacgat tagcagaaat atcttgc当地 gaacgttagt	180
gtccttggaaag actcatcgcc gtcatcatta taatttctaa tcatgctgtg tggcaggtg	240
tccgtgttagc agaaacacca ctggcaccca gattagcagt ttcatcgggaa gactagaaac	300
taagtctgca attcttagac ctcaaagtct gaatcacagc ttcccctca gggatcagca	360
aatatgcagt ctgtgc当地 gcaagggttg ttggcctgc cacgagaggt aatcaaacac	420
cagggccatc caaaaacaca cacagtggag caaggtacag gaagcttccgt gtgagcctgg	480
aaataccact agatcagaa acagaaggcc agagttgtat tcccacatga tggctctaat	540
tcactgagta actttgaatg aatcatttgc cttctttgca tttttgtttt cgttctcatc	600
tgaaaattga gagttttca actattggtt ttcaaattgag acatggata agatcaggag	660
ggaaggcagc cagc	674

<210> 40
<211> 666
<212> DNA
<213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(666)
 <223> n is a, g, c, or t

<400> 40
 cccatgagca aaaaatgaca catcagtaat ggtgaggaca aatcattacc ctacaccagn 60
 aattaaacta gtatTTTAC ttgacttaga aagggggaaa taaaaaaaaaaaaaaa 120
 ctaaaaaaaaaag ttctccaact gattctggta gagacgatta gcagaaatat cttgcaaaga 180
 acgttaggtgt cctggaagac tcatcgccgt catcattata atttctaatac atgctgtgt 240
 ggcaggtgtc cgtagtcgaaacccact ggcacccaga tttagcagttt catcgggaga 300
 ctagaaacta agtctgcaat tcttagacct caaagtctga atcacagttt tcccctcagg 360
 gatcagcaaa tatgcagtct gtgccttagc aagggtgtt gggcctgccca cgagaggtaa 420
 tcaaacacca gggccatcca aaaacacaca cagtgagca aggtacagga agtttcctgt 480
 gagcctggaa ataccactag attcagaaac agaaggccag agttgtattc ccacatgatg 540
 gctctaattc actgagtaac tttgaatgaa tcatttgccct tctttgcatt tttgtttcg 600
 ttctcatctg aaaattgaga gttttcaac tattggttt caaatgagac atgggataag 660
 atcagg 666

<210> 41
 <211> 603
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(603)
 <223> n is a, g, c, or t

<400> 41
 cccatgagca aaaaatgaca catcagtaat ggtgaggaca aatcattacc ctacaccaga 60
 attaaactag tattttact tgacttagaa agggggaaat taaaaaaaaaaaaaaa 120
 taaaaaaaaagt tctccaactg attctggtag agacgattag cagaaatatac ttgcaaagaa 180
 ctaggtgtc ctggaaagact catcgccgtc atcattataa tttctaatac tgctgtgtgg 240
 gcaggtgtcc gtgttagcaga aacaccactg gcacccagat tagcagttt atcgggagac 300
 tagaaaactaa gtctgcaatt ctttagacccaaatctgaa tcacagttt cccctcaggg 360
 atcagcaaataat atgcagtctg tgccttagca agggctgttg ggcctgccac gagaggtat 420
 caaacaccag ggccatccaa aaacacacac agtggagcaa ggtacagggaa gcttcctgtg 480

agcctggaaa taccactaga ttcagaaaaca gaaggccaga gttgtattcc cacatgatgg	540
ctctaattca ctgagtaact ttgaatgaat cattgcctt cttgcattt ttgtttcgt	600
tct	603

<210> 42
<211> 749
<212> DNA
<213> Canis familiaris

<220>	
<221> misc_feature	
<222> (1)..(749)	
<223> n is a, g, c, or t	
 <400> 42	
ggtnactgtn cgnaccagtt tactncatat ncggntnccc atgagcaaaa aatgacacat	60
cagtaatggt gaggacaaat cattacccta caccagnaat taaactagta ttttacttg	120
acttagaaag gggaaatta aaaaaaaaaa aaaaaaaacta aaaaaagttc tccaactgat	180
tctggtagag acgatttagca gaaatatctt gcaaagaacg taggtgtcct ggaagactca	240
tgcgcgtcat cattataatt tctaattcatg ctgtgtggc aggtgtccgt gtagcagaaa	300
caccactggc acccagatta gcagttcat cgggagacta gaaactaagt ctgcaattct	360
tagacctcaa agtctgaatc acagcttcc cctcaggat cagcaaatat gcagtctgtg	420
ccttagcaag ggctgttggg cctgccacga gaggtaatca aacaccaggg ccatccaaaa	480
acacacacag tggagcaagg tacaggaagc ttccctgtgag cctggaaata ccactagatt	540
cagaaacaga aggccagagt tgtattccca catgatggct ctaattcact gagtaacttt	600
gaatgaatca tttgccttct ttgcatttt gtttgcgttc tcattctgaaa attgagagtt	660
tttcaactat tggtttcaa atgagacatg ggataagatc aggagggaaag gcagccagca	720
gcagtcttgg gcttccctg ggcgcagcac	749

<210> 43
<211> 1778
<212> DNA
<213> Canis familiaris

<220>	
<221> misc_feature	
<222> (1)..(1778)	
<223> n is a, g, c, or t	
 <400> 43	
gkggtagnngn rcggtaaaca attncacac agcaattncc cctgtgnaaa ctgccttgac	60
ttggtgccctt ttttggaggg gtggagttgt ttccactttg acaaattttt atatttctcc	120

catcctaatt ggactaattt gctttatata ctcttctgtg gttatTTTgt taatcgatt	180
ttaggaaagt cacctatttc aaattgattt gcatggagct aaataatttc ttccaatttt	240
tccatTCCT ttgtgtttat ggttatttct acattattag tgaaagttt gtggTTTgt	300
gttttagttc tctatctcct ctttgatta gttcacaga gtttagttgt tatttttca	360
gaaaacagct cttgcactta tttatcggtt ctactgttct taatttgctc ctaaaaattg	420
tcaataatat gttcttttgc cttgcccgg gctcattttg ttgttttct aattgttga	480
gcttgactct taattcatct attttgttt ctgcttttt gttaatgtaa atttaaaaaaa	540
tgcgagatcc aattagaata agcctcaccg gacaagaacc tgtctgtgca cttcgagact	600
accataatgc ctatcacata gcaggtgctt aagcaaaatt tttgtatgaa taaataaacc	660
cctatgaaat aattatggga tttgtgtgac agccctcggtt cttctctgct gtcttggsc	720
aytctctcta ggcatctgct catgtggagg cataagaaaa tattgacatg cttcacatta	780
cattttcaga gtatgttatt catgtattta tttgtaaaat ctaccaatac aatttcccc	840
caatcaagta aaacttaggta aaaagatctc tgcaaagatt agctgaggaa gaaacatatg	900
tgagtaraat caraatgtta agagctrmca ggttaracaga tagcatgccc atgattttg	960
tgggkttggc cccttggc aagctaaatc ttacagagag gcccaaccct agaggtaaaa	1020
tgattaaaaac agatgtgctg cagttggcgg ggagggtgct gcgccarggg aagncccaag	1080
actgctgctg gctgccttcc ctccntgatc ttatccatg tctcatttga aaaccaatag	1140
ttgaaaaact ctcaattttc agatgagaac gaaaacaaaa atgcaaagaa ggcaaatgat	1200
tcattcaaaag ttactcagtg aatttagagcc atcatgtggg aatacaactc tggccttctg	1260
tttctgaatc tagtgttatt tccaggctca caggaagctt cctgtacctt gctccactgt	1320
gtgtgtttt ggatggccct ggtgtttgat tacctctcggt ggcaggccca acagcccttg	1380
ctaaggcaca gactgcatac ttgctgatcc ctgaggggaa agctgtgatt cagactttga	1440
ggtctaagaa ttgcagactt agttcttagt ctcccgatga aactgctaat ctgggtgcca	1500
gtgggttttc tgctacacgg acacctgccc acacaGcatg attagaaatt ataatgatga	1560
cggcgatgag tcttccagra cacctacggtt ctttgcaga watttctgct aatcgnttnc	1620
tctaccagaa tcagttggag aactttttt agttttttt tttttttt aatttcccc	1680
tttctaagtc aagtaaaaat actagttaa ttctgggtgtt gggtaatgtat ttgtcctcac	1740
cattacttga aagacccac ctgttaggtt gcaagcgg	1778

<210> 44
<211> 868
<212> DNA

<213> Canis familiaris

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<220>
<221> misc_feature
<222> (1)..(868)
<223> n is a, g, c, or t

<400> 44
ttcctgagac ngcttgccaa acctacaggt ggggtcttcc aagtaatggc gaggacaaat 60
cattacccta caccagaatt aaactagtat ttttacttgc cttagaaagg gggaaattaa 120
aaaaaaaaaaa aaaaaactaa aaaaagttct ccaactgatt ctggtagaga cgattagcag 180
aaatatcttg caaagaacgt aggtgtcctg gaagactcat cgccgtcatc attataattt 240
ctaatcatgc tgtgtgggca ggtgtccgtg tagcagaaac accactggca cccagattag 300
cagtttcatc gggagactag aaactaagtc tgcaattctt agacctcaaa gtctgaatca 360
cagctttccc ctcagggatc agcaaatacg cagtctgtgc cttagcaagg gctgttggc 420
ctgccacgag aggtaatcaa acaccaggc catccaaaaa cacacacagt ggagcaaggt 480
acaggaagct tcctgtgagc ctggaaatac cactagattc agaaacagaa ggccagagtt 540
gtattcccac atgatggctc taattcactg agtaactttt aatgaatcat ttgccttctt 600
tgtcatttttgc tttcggttctt catctgaaaa ttgagagttt ttcaactattt ggttttcaaa 660
cgagacatgg gataagatca ggagggaggc cagccagcag cagtcttggc cttccctggc 720
gcagcaccnt cccgccaact gcagcacatc tggtaatca tttaacctctt aggntggcc 780
tttctgttaag atttagctt acaangggcc aaacccaaaa aatcatggc atgcttctgc 840
acacctgnncan tntaacattt gattntac 868
```

```
<210> 45
<211> 1237
<212> DNA
<213> Canis familiaris
```

```
<220>
<221> misc_feature
<222> (1)..(1237)
<223> n is a, g, c, or t

<400> 45
ggtatcgccg ctcccgattc gcaccgcac gccttctatc gccttcttga cgagttcttc      60
tgagcgggac tctggggttc gaaatgagct agcccttaag taacgccatt ttgcaaggca      120
tggaaaaata cataactgag aatagaaaag ttcatctctg ctgtctttgg ccattctctc      180
taggcatctg ctcatgtgga ggcataagaa aatattgaca tgcttcacat tacattttca      240
gagtatgtta ttcatgttatt tatttgtaaa atctaccaat acaatttccc cccaatcaag      300
```

taaaaactagg	taaaaagatc	tctgcaaaga	ttagctgagg	aagaaaacata	tgtgagtaga	360	
atcagaatgt	taagagctga	caggtagca	gatagcatgc	ccatgatttt	tgtgggtttgc	420	
ccccctttgt	tgaagctaaa	tcttacagag	aggcccaacc	ctagaggtaa	aatgattaaa	480	
acagatgtgc	tgca	ggggaggggtg	ctgcgccagg	ggaagccaa	gactgctgct	540	
ggctgccttc	cctcctgatc	ttatccccat	gtctcatttgc	aaaaaccaat	agttgaaaaaa	600	
ctctcaattt	tca	acatgaga	acgaaaacaa	aaatgcaa	aaggcaa	660	
agttactcag	tgaatttagag	ccatcatgtg	ggaatacaac	tctggccttc	tgtttctgaa	720	
tctagtggta	tttccaggct	cacaggaagc	ttcctgtacc	ttgctccact	gtgtgtgttt	780	
ttggatggcc	ctgggttttgc	attacctctc	gtggcaggcc	caacagccct	tgctaaggca	840	
cagactgcat	atttgctgat	ccctgagggg	aaagctgtga	ttcagacttt	gaggtctaa	900	
aattgcagac	ttagtttcta	gtctcccgat	gaaactgcta	atctgggtgc	cagtgggttt	960	
tctgctacac	ggacacctgc	ccacacagca	tgattagaaa	ttataatgat	gacggcgatg	1020	
agtcttccag	gacacctacg	ttctttgcaa	gatatttctg	cta	atcgctct	ctaccagaat	1080
cagttggaga	actttttta	gtttttttt	ttttttttt	atttccccct	ttctaagtca	1140	
agtaaaaata	ctagtttaat	tctgggttag	ggtatgatt	tgtcctcacc	attactgatg	1200	
tgtcattttt	tgctcatggg	atccgatatg	agtaaac			1237	

<211> 703
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (1)..(703)
<223> n is a, g, c, or t

<400> 46	ccctgtgaaa	ctgccttgac	ttgggtgcctt	ttttggaggg	gtggagttgt	ttccactttgc	60
	acaaaatttt	atatttctcc	cattcataatt	ggactaattt	gcttttatat	ctttctgtg	~120
	gttattttgt	taatcgattt	ttaggaaagt	cacctatttc	aaattgattt	gcatggagct	180
	aaataatttc	ttccaatttt	ttcatttcct	ttgtgtttat	ggttatttct	acattattag	240
	tgaaaagttt	gtggttttgt	gttttagttc	tctatctcct	ctttgatta	gtttcacaga	300
	gttttagttgt	tatTTTTca	gaaaacagct	cttgcactta	tttacggct	ctactgttct	360
	taatttgctc	ctaaaaatttgc	tcaataat	gtttcttttgc	ctttgcccgg	gctcattttgc	420
	ttgtttttct	aattgtttga	gcttgactct	taattcatct	atTTTGTttt	ctgcttttttgc	480

gttaatgtaa	atttaaaaaa	tgcgagatcc	aattagaata	agcctcacgg	gacaagaacc	540
tgtcttgca	cttcgagact	accataatgc	ctatcacata	gcaggtgctt	aagcaaaatt	600
tttgtatgaa	taaataaaacc	cctatgaaaa	aattatggga	tttgtgtgac	agccctcgtt	660
cttctctgct	gnctttggcc	attctctcta	ggcatctgct	cat		703
<210>	47					
<211>	304					
<212>	DNA					
<213>	Canis familiaris					
<220>						
<221>	misc_feature					
<222>	(1)..(304)					
<223>	n is a, g, c, or t					
<400>	47					
ctagcttgcc	aaacctacag	gtggggtctt	tcaagtaatg	gtgaggacaa	atcattaccc	60
tacaccagaa	ttaaactagt	attttactt	gacttagaaa	ggggaaatt	aaaaaaaaaa	120
aaaaaaaaact	aaaaaaaaagt	ctccaactga	ttctggtaga	gacgattagc	agaaatatct	180
tgcaaagaac	gtaggtgtcc	tggaagactc	atcgccgtca	tcattataat	ttctaattcat	240
gctgtgtggg	caggtgtccg	tgttagcagaa	acaccactgg	nccccagat	nagagtttc	300
ttgg						304
<210>	48					
<211>	735					
<212>	DNA					
<213>	Canis familiaris					
<220>						
<221>	misc_feature					
<222>	(1)..(735)					
<223>	n is a, g, c, or t					
<400>	48					
agcttgccaa	acctacaggt	gggtcttcc	aagtaatgg	gaggacaaat	cattacccta	60
caccagaatt	aaactagtat	ttttacttga	cttagaaagg	ggaaattaa	aaaaaaaaaa	120
aaaaaaactaa	aaaaagttct	ccaactgatt	ctggtagaga	cgattagcag	aatatcttg	180
caaagaacgt	aggtgtcctg	gaagactcat	cgcgtcatc	attataattt	ctaattcatgc	240
tgtgtggca	ggtgtccgtg	tagcagaaac	accactggca	cccagattag	cagtttcattc	300
gggagactag	aaactaagtc	tgcaattctt	agacctcaaa	gtctgaatca	cagtttccc	360
ctcagggatc	agcaaataatg	cagtctgtgc	cttagcaagg	gctgttggc	ctgccacgag	420
aggtaatcaa	acaccaggc	catccaaaaa	cacacacagt	ggagcaaggt	acaggaagct	480

tcctgtgagc ctggaaatac cactagattc agaaaacagaa ggccagagtt gtattcccac	540
atgatggctc taattcaactg agtaactttg aatgaatcat ttgccttctt tgcattttg	600
tttcgttct catctgaaaa ttgagagttt ttcaactatt ggaaaaaaa tgagacatgg	660
gataagatca ggagggagg cagccagcag cagtcttggg ctttccctgg cgcaaaaccn	720
tccccgcaac tggag	735

<210> 49
<211> 1412
<212> DNA
<213> Canis familiaris

<220>	
<221> misc_feature	
<222> (1)..(1412)	
<223> n is a, g, c, or t	
<400> 49	
cttcccacct nnnaaccntg gncccttaaca gncacnnnc tttggagata gctaactcct	60
acncattcaa catcagtgnn anggntctcc tccagaaggc ttccctcnacc ctttcaattc	120
ccacttacnt gtaagcctag gatgcctcct ctcagattca gactgggtgn cncagtgttt	180
aagaacttna gctgtacagc canagagttt gtattggaaa ataatctctg tggtttttg	240
tcngcatgat cttggacgag ttatttaacc ccctcagtnt agtttcttca tccatataat	300
ctggcaaatg atagtnncna gtccatacaa ttgttagcac taaacaaaat aatgtacacg	360
agcctggcac actgaaggan cccagtgaaa ggtgggtgtg attactnaca gtccttctca	420
ttctctagca tagcaattac cgtgttgcgt tccgattttc tgtctgcattg tctacactgca	480
tgtcggttg catcgacact atgaactgga agctgaatcc ccagtgccctg gtacaatgtg	540
agaccccccata ncagttcatt gaatgaattc agacacttca gttttccat aaatttcagc	600
cttcttcaat attttgcctcc tattttcttag aagtttctga aagagcagct tggaatatgt	660
cagcaatttc taatttctta gctttcagt gtgtgtgcgc gtgtgtgcgt gtgtgtttga	720
tattttctgc tggaaacc gctggactta gatgatcagn ctgtgagata caggcaggac	780
anagataaga agtaggagga gggctncgat gatgaagctt aggcaactgaa gcaactcagc	840
caccacccag gaaggcctcag tnccctgaar aggtggaccc tkkcassscyg wggtaacca	900
ttgtggccca aagaggccca gtgcatgcat gaggcagacc tccctctaca gggaggctt	960
gccctactgg gatttatttc cttgctgctt aaggacctgg ctttgcctt gcctttcctt	1020
gtcccccttca tctgattctc tggccttatt ttggccagca gattgcattt gcctgtccag	1080
tttaccatat aaatgcattc tcctcctcat gacctttct cagcctgctg gtctaaaggaa	1140

ggagctctgt ttcttgatcc tgccctctga ctaaatttc tcttgctgct cttcccttc 1200
 ctgatgattc agtacagaca cctgccaaat tccactttt ctcttcatct ccaattattt 1260
 ggtggtcaag actgtttact caaatatgca tctggttaa tcacgagcca cgactctgac 1320
 taaagttagcc tgattatatg gttcttaag ggatagctga ctttcacaaa cctaagaaaa 1380
 gtncttaaa gtgggtgnct aagggncta ca 1412

<210> 50
<211> 866
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (1)..(866)
<223> n is a, g, c, or t

<400> 50
 ttnngggacn gcttgccaaa cctacaggtg gggtctttca agatctgctg acagtgaagc 60
 taaatctggc ggaagcaaag gattcacttt ctcataatgg attaactcat cctatttgcc 120
 tcttaaacaa tgggtatttt aaagacagaa gttgaaggaa gtccaagtat ccaattttaa 180
 ggatgcctat tagagcagtt ataagagagt gtctctctt ctctctcttc tttctttctc 240
 ttggtaggag tatgcaggag gtcatttaaa agccagatag tgataacaaat cacaatgcag 300
 aaaaacatcc ccgtggactc ctccctgtcc tatgtttgac attcttaaaa tctatgtccc 360
 aggtcttcaa atctttaaat aatctaccat gttcttggc ctgcctggg aaatctattt 420
 cagtaccaga gctatgctgg ttacacacct tttctgactc atgttcccaa gtgattttat 480
 tccagatacg atttgggac agttacgtgt actgttctga tatcttccta aaaggaaatt 540
 attttggaaag taaagtcact gataaaatca actcaggaaa atgcactttg taaatattaa 600
 aatataaaaca ttattaaagg ccatgctgta aaaatactaa ttgattttcc tgtgttagcag 660
 ttacaataga acaacgatag atctctaagg ggagagtgaa aggacctcaa tttgagaaac 720
 gtgaggcagg aaaagttca aataattata ttcagagtgn tacctaagtt gttacttaaa 780
 gacattctct acgtaaaana aacaataagg ccaaatgaag gaatgagagt tatgttatcg 840
 cagaaacaan gtaancggnt tntttt 866

<210> 51
<211> 597
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (1)..(597)
<223> n is a, g, c, or t

<400> 51
acacagcaat tcattncaat gaactgttat ggggtctcac attgtaccag gcactggga      60
ttcagcttcc agttcatagt ctgcatgcaa accgacatgc agtagacat gcagacagaa      120
aatcggaacg caacacggta agtgctatgc tagagaatga gaaggactgt cagtaatcac      180
aaccacccctt cactgggttc cttcagtgtg ccaggctcgt gtacatttatt ttgttttagtg      240
ctcacaattt tatggactgt gtactatcat ttgccagatt atatggatga agaaaactaga      300
ctgagggggt taaataactc gtccaaagatc atgcagacaa aaaaccacag agattatttt      360
ccaatacaaa ctctctggct gtacagctca agttctaaa cactgggcca accagtctga      420
atctgagagg aggcatctta aggcttacag gtaagtggga attgaaaggg ttgagggaaag      480
ccttctggag gagatgccat tacactgaat gttgaatgag taggagttt cttatctccag      540
aggggttagtg gctgtgaagg ggcgaggggt agagggtggg aagggtatga tggaaagg      597

<210> 52
<211> 875
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (1)..(875)
<223> n is a, g, c, or t

<400> 52
cgcttgccaa cctacaggtg gggtcttca agatctgctg acagtgaagc taaatctggc      60
ggaagcaaaag gattcacttt ctcataatgg attaactcat cctatttgcc tcttaaaca      120
tgggtatttt aaagacagaa gttgaaggaa gtccaaagtat ccaattttaa ggatgcctat      180
tagagcaggat ataagagagt gtctcttctt ctctcttcc tttcttctc ttggtaggag      240
tatgcaggag gtcattttaa agccagatag tgatacaaat cacaatgcag aaaaacatcc      300
ccgtggactc ctcccgtcc tatgttgac attcttaaaa tctatgtccc aggtcttcaa      360
atctttaaat aatctaccat gttcttggc ctgccctggg aaatcttattt cagtaccaga      420
gctatgctgg ttacacaccc tttctgactc atgttcccaa gtgattttat tccagatacg      480
atttggggac agttacgtgt actgttctga tatcttccata aaaggaaatt attttggaaag      540
taaagtcaact gataaaatca actcaggaaa atgcactttg taaatattaa aatataaaaca      600
ttattaaagg ccatgctgta aaaatactaa ttgattttcc tttgttagcag ttacaataga      660

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acaacgatac atctctaagg ggagagtcaa aggacctaa tttgagaaac gtgaggcagg	720
aaaagttca aataattata ttcaagagtg ttacctaagt tgttacttaa agacatttc	780
tacgtaaaat aaacacataa ggccaaanga aggaaatgag anttangtta tngcaggana	840
aaaggtaaat cggnntttt ttgtatccat tgcaa	875

<210> 53
<211> 612
<212> DNA
<213> Canis familiaris

<220>	
<221> misc_feature	
<222> (1)..(612)	
<223> n is a, g, c, or t	
<400> 53	
agcggataac aatttcacac agnaattcat tcaatgaact gttatgggt ctcacattgt	60
accaggcact ggggattcag cttccagttc atagtctgca tgcaaaccga catgcaggta	120
gacatgcaga cagaaaatcg gaacgcaca cggtaagtgc tatgcttagag aatgagaagg	180
actgtcagta atcacaacca ccttcactg gttcccttca gtgtgccagg ctcgtgtaca	240
ttatTTGTT tagtgctcac aattgtatgg actgtgtact atcatttgcc agattatatg	300
gatgaagaaa ctagactgag ggggttaaat aactcgcca agatcatgca gacaaaaaac	360
cacagagatt atttccaat acaaactctc tggctgtaca gctcaagttc taaaacactg	420
ggccaaccag tctgaatctg agaggaggca ttcttaaggct tacaggtaag tggaaattga	480
aagggtttag ggaagccttc tggaggagat gccattacac tgaatgttga atgagtagga	540
gttagctatc tccagagggg tagtggctgt gaagggcga gggtagagg gtggnaaggg	600
atgatngaaa gg	612

<210> 54
<211> 732
<212> DNA
<213> Canis familiaris

<220>	
<221> misc_feature	
<222> (1)..(732)	
<223> n is a, g, c, or t	
<400> 54	
agcttgccaa acctacaggt ggggtcttc aagatctgct gacagtgaag ctaaatctgg	60
cggaagcaaa ggattcactt tctcataatg gattaactca tcctattgc ctcttaaaca	120
atgggtatTT taaagacaga agttgaagga agtccaagta tccaaTTTA aggatgcata	180

tttagagcagt tataagagag tgtctctctt tctctctctt ctttctttct cttggtagga 240
gtatgcagga ggtcatttaa aagccagata gtgataaaaa tcacaatgca gaaaaacatc 300
cccgtggact cctccctgtc ctatgttga cattcttaaa atctatgtcc caggtcttga 360
aatctttaaa taatctacca tgttcttgg cctgccccgg gaaatctatt tcagtaccag 420
agctatgctg gttcacacacc ttttctgact catgttcnca agtgatttttta ttccagatac 480
gatttgggga cagttacgtg tactgttctg atatcttcct aaaaggaaat tattttggaa 540
gtaaaagtcac tgataaaatc aactcaggaa aatgcacttt gtaaatatta aaatataaac 600
attattaaag gccatgctgt aaaaaactaa ttgattttcc tgtgttagcag ttacaataga 660
acacgatgat ctctaagggg agagtgaaag gaccttattt ggttaaccgtg aggcagnaaa 720
gtttcaaata tt 732

<210> 55
<211> 697
<212> DNA
<213> *Canis familiaris*

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<220>
<221> misc_feature
<222> (1)..(697)
<223> n is a, q, c, or t
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<400> 55
ctagcttgcc aaacctacag gtggggtctt tcaagatctg ctgacagtga agctaaatct 60
ggcggaaagca aaggattcac tttctcataa tggattaact catcctattt gcctcttaaa 120
caatgggtat tttaaagaca gaagttgaag gaagtccaag tatccaattt taaggatgcc 180
tattagagca gttataagag agtgtctctc tttctctctc ttctttcttt ctcttggtag 240
gagttatgcag gaggtcattt aaaagccaga tagtgataca aatcacaatg cagaaaaaaca 300
tccccgtgga ctcccccctg tcctatgttt gacattctta aaatctatgt cccaggtctt 360
gaaatcttta aataatctac catgttcttt ggcctgcctt gggaaatcta tttcagtacc 420
agagctatgc tggttacaca cctttctga ctcatgttcc caagtgattt tattccagat 480
acgattttggg gacagttacg tgtactgttc tgatatcttc ctaaaaggaa attattttgg 540
aagtaaagtc actgataaaaa tcaactcagg aaaatgcact ttgtaaaatat taaaatataa 600
acattattaa aggccatgct gtaaaatact aattgatttt cctgtgttagc agttacaata 660
gaacacgata gatctctang gggagagtgta aaggact 697

<210> 56
<211> 617

<212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(617)
 <223> n is a, g, c, or t

<400> 56
 tggattgcga gcggataaca atttcacaca gaattcattc aatgaactgt tatgggtct 60
 cacattgtac caggcactgg ggattcagct tccagttcat agtctgcattg caaaccgaca 120
 tgcaggtaga catgcagaca gaaaatcgga acgcaacacg gtaagtgcta tgctagagaa 180
 tgagaaggac tgtcagtaat cacaaccacc tttcactggg ttcccttcagt gtgccaggct 240
 cgtgtacatt attttgttta gtgctcacaa ttgtatggac tgtgtactat cattgccag 300
 attatatgga tgaagaaaact agactgaggg ggttaataa ctcgtccaag atcatgcaga 360
 caaaaaacca cagagattat ttccaataac aaactctctg gctgtacagc tcaagttctt 420
 aaacactggg ccaaccagtc tgaatctgag aggaggcatt ctaaggctta caggtaagt 480
 ggaattgaaa gggttgaggg aagccttctg gaggagatgc cattacactg aatgttgaat 540
 gagtaggagt tagctatctc cagagggta gtggctgtga aggggcgagg ggtagagggt 600
 ggnaagggga tgaattg 617

<210> 57
 <211> 803
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(803)
 <223> n is a, g, c, or t

<400> 57
 cctgcagcta gcttgc当地 cctacaggtg gggctttca agatctgctg acagtgaagc 60
 taaatctggc ggaagcaaag gattcacttt ctcataatgg attaactcat cctatttgc 120
 tcttaaacaat tggtatattt aaagacagaa gttgaaggaa gtccaaagtat ccaattttaa 180
 ggatgcctat tagagcagtt ataagagagt gtctctctt ctctctctc tttcttctc 240
 ttggtaggag tatgcaggag gtcattttaa agccagatag tgatacaaat cacaatgcag 300
 aaaaacatcc ccgtggactc ctcccgttcc tatgtttgac attcttaaaa tctatgtccc 360
 aggtcttgaa atcttaaat aatctaccat gttcttggc ctgcctggg aaatctattt 420
 cagtaccaga gctatgctgg ttacacacct tttctgactc atgttcccaa gtgatttat 480

tccagatacg atttggggac agttacgtgt actgttctga tatccctta aaaggaaatt	540
attttggaaag taaagtcact gataaaatca actcaggaaa atgcactttg taaatattaa	600
aatataaaaca ttattaaagg ccatgctgta aaaatactaa ttgatttcc tgtgttagcag	660
ttacaataga acaacgatag atctctaagg ggagagtcaa aggacctcaa tttgagaaac	720
gtgaggcagg aaaagttca aatattatat tcaagagtgt acctaagttg ttacttaag	780
acaattctnc acttaaataa acc	803

<210> 58
<211> 786
<212> DNA
<213> *Canis familiaris*

<220>	
<221> misc_feature	
<222> (1)..(786)	
<223> n is a, g, c, or t	
<400> 58	
gnngngnaat gtgcagnccgg ntaacaattt cacacagnaa ttccatttcc ctcaacaagc	60
aggagaaatt ttctcaagag tttaccagaa gtcactctta acgtcaggct tgcaaatttt	120
aaaaagcatg aaaaagaacg tctactacat aatcctccag gcacattcca acacgctgcc	180
aacagtattc ctgaaaatcc tctgtcaaac ccctccataa atcatagcct cagagctctg	240
tgtgtgtggc tgcagcaggc tcgtagctgc agagcacttg catggaggag acatgcgc	300
aggaactgca ccggccgcatt ccgcagaagc cacgcgactt actccctct gctgcatgtt	360
aacctgtgct atgttctaga tcttacttta gtttagtaatt caacaacagg agtcatgtgg	420
gctggcaagt agtcagctga aaactaacat gtgaacagaa ctctcagggg caggcctcca	480
gcaagctccc acccgagtca gtactgctcc cgccctccct tcagcttgt ggtgggtact	540
actttctgaa gcctcacaaa acccccacatct gaaagaagag gaaactgaga cacggtgaga	660
catggtgccc ctcgccccaaa gtctgacagt ttgatatggt agagccagga atccatccca	720
gggnagtggg ccagaaggta gtggctgact gccatgcccc aggacgtccc caggagctgc	780
cgtgaa	786

<210> 59
<211> 837
<212> DNA
<213> *Canis familiaris*

<220>
<221> misc_feature

<222> (1)..(837)
 <223> n is a, g, c, or t

<400> 59
 tctggnnccc cgggacgttn ttgggagctg ccctgagctc ccacctgctg ctgccagtac 60
 tagcacaggg tcctcaagtg atggctgctg gtgaattatt tagaatctcc atgggcaggg 120
 cattctgctt ttttagcactg tgtcttgacc tttccaaga ccatcttcca aggagagcca 180
 gcagctggtg ttgtaagttc ttccatgac aaataagccc aagacctcac ttaggaaaca 240
 tacaatgatt atatgatctt gggagtcagc cctagaaggg cccttcttct cttgcttcaa 300
 gctaaaaaga ctctggacaa caaaagaggc agtggctgct aagtaacttg caactaccac 360
 ttcagtctca ctgcagctgc aaagatagga acagagaagt tttaggtgag aaactccccc 420
 ttcccaagaa actgtgatga accagtgtta cagtttaggg agagagctct gtagacaagg 480
 agggacctaa ggacccccag gactcaccac ccccacaccc agctccctg gtcacccgt 540
 acgtaagcag gtaggctctg cttagcatag tgctaagatc acatcttgc cagagtgtac 600
 aaactcagga aagctggcat taggtat cacaagtgaa aaaatacctc aaccagtggc 660
 cattggaagt gcggaagtac atgccatact cactgcaagg ttctccattc cagctgccgt 720
 actgtgtaat acgacttaat atcttcagag natcaagggtt aatttcaaatt ttgtgtcttc 780
 aaagaacatt tcttttnt tctttgggg ncagtactgc gcacattta actagga 837

<211> 866
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(866)
 <223> n is a, g, c, or t

<400> 60
 ttgtcgagcg gataacaatt tcacacagna attccagcac catgcactct ctgagacagg 60
 tgaggatttt gcagcagctg ataaggacac aagtgaacag gagcataata atgaaaacac 120
 aaagactagt tagctgttac tactgcttc tagggcttct agtgttctct gttgtgatac 180
 ttggtaat gttttttggg agtcactgaa gaatgcttca tcatttgcaa agataggacc 240
 ctaacttcta agcccttaa attaaaagaa tgcttttag tacaaaatta atgatcttag 300
 tcacaaaaag caaagaagaa atcaaaatca caaagtcatc attcaaagtt gtattctta 360
 tagcaaaaat gggcaagct acaggattgc caaaagtctt ataaaacagg aggaaggttt 420
 atgaaatgat gctcagagag aatgcagaat gtgctttag cacaatcct ttctgaaatg 480
 gaacctgagc aaagtgtatgg catttgatgt agaggaatag ccaccatcac atatgtgtga 540

gagaaaatag tttgcttg ggatgaacaa taccaccgtt gtacaaagca tgaataagca 600
 cttggaaaat gtatagtatg tataacagag ggactttat ctgttggca ttgaaaatca 660
 atgccattaa aagtaggaac aattggttat tgggnctgat ttttaaaag aattcattta 720
 tttntttng ggganagaa nnccccccc cctntnaccc cnngggaaan annnagggn 780
 aaaaaanaat ntnnagccna ctntttctt nntgggnccc cgggnggggg ctttancnca 840
 aanccnagna aannannntn ngnccn 866

<210> 61
 <211> 886
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(886)
 <223> n is a, g, c, or t

<400> 61
 ttngaaccc gctgccaaa cctacaggtg gggccttca agaacataag cccaaataag 60
 cactggcaca tagtaggagc agcataaaacg ctccccctcc tattcctaac ccaccaagaa 120
 ttctagattg acagttttt cttagttagat tttaaagatg ctgcttcct gacttcttgt 180
 ttgcaaattt ctgatgagaa atctgctgtc attttatctt cttcccttg cataatgatg 240
 tatcttttc tctctgctt taagatttc attttatcac tggttctaag caatttaatt 300
 atgatgttcc ttggatagt gctttcata tttctattag gagtttgg agcttcttgg 360
 atttgcgtt ttatagttt tatcaaattt ggcaagttt cagctactat ttcttcaact 420
 tttttttcc tgtcctccct tgactccctcc tcattcccat atttctcctg tccttcaggg 480
 actccagtta tctgtatgtt aagctcattt ataccctatt tgtgtatatt ttaaggcttt 540
 ttattccctg tatttcattt tggatagttt ctactgcaat gtttcaggt tctttaacct 600
 cttttttttt ttccccccag taatgtctaa tctgcttcc atcccaaaga catgtatgtgg 660
 tgtgtgtgct aaaaatccca gacaatgttt ttatgattcc taggtatgg ctttgggct 720
 tttcaaaat ttccatatt tctacttcct tggccatata gaatgcggnt attattattt 780
 tttagnggcc tatgctacta aatcctataa ttnctggac tccnttgatt nagnnnnncc 840
 ttttattta ttnattaagn anggtttat tggagttng attncc 886

<210> 62
 <211> 728
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(728)
 <223> n is a, g, c, or t

 <400> 62
 ggattgtcag cgataacaa ttccacacag aattcccagg acccagcatg atgcctggtg 60
 tgcacatggg tggccctcc tatgttaagcg tcaccactcg ggagcagtgg cggggatgcc 120
 tggatgcgcc ggctcctgcg tgttagggtgc tatcaggaca ttgctgggtt gccacctctg 180
 tctgaggctc cagagagcga gggacacccc cacatcatga atgcctgtg gggttaccag 240
 tggggcaat tacctgcatt gtcctgggc ctcagcggcc tcatactgtga aatgggtaca 300
 ttcatatacac gtatggaga gggctgccgt ggggttaat ggaggcaacc cattttagcg 360
 ctggccccc caccgctcct gctcttactg tgactatggc cagcgtcact gttcaggc 420
 cttgaccggc cgggtggac gctgggtcca ccgttgctct ctcccagggt gggaggagac 480
 aggcctgcgg gcggactca ccgtggcggt gacggtgagc tggtaggcct gcgtggctc 540
 gtagtccagc tcgcggacca ccgtgacgat gcccggggcg ctgtcgatgg cgaacaacgg 600
 ggaccggggc tggaggagt acaggacgct gccccctgca ccaagtcggg gtccgtggcg 660
 ttacgataaaa atgggtgtcc ccaccggcgt gttctgggg ccaagcaaac aaccaaggta 720
 agtgggct 728

<210> 63
 <211> 785
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(785)
 <223> n is a, g, c, or t

 <400> 63
 attgtcgagc ggataacaat ttccacacaga attcctaaaa cccttactgt tgaaaaata 60
 tggcacttcc tgatgtgatt gcaggctttt agcaaagcca tttttttttaa caaaaaatga 120
 tttaaattct tttaaacaag tgtttagtga caagtcagta tttagtcattc tagttattga 180
 tacagcaccc ataaaaattta tcactgaggg gagggatcag gagaaaaatgt gggcattcta 240
 acttaatgt taataatatg tgtctataac aaatgtgatg gctaagttat aaaatattta 300
 aaaaattttt tcttgcaggt atttataaca gcaatgtatgt agcagtatca tttccaaatg 360
 tggtatctgg ctcaggatct agcaactcctg tctccagttc tcatttacct cagcagtctt 420
 ctgggcattt gcaacaagtg ggagcactct ccccatcagc agcatcatct gcaacccctg 480

ctgttgctac aactcaggt a	atcattacag tgctatgaag taacctgtag atggctttgt	540
cgttttgaa agtgagttt g	attggagaag aaagaaaacct tgtatagaaa cttccata	600
taaattccta taggaattt a	taagtatctc catttgcattt gacacgttag tggatataat	660
agacattttt atgtgatatt c	atgagaaag gacaaaagaa tacattggca ttaactgatt	720
ctttcagtt tctgagttt c	taattttcc tgaagatgna aacaaaatt tggggggAAC	780
tttta		785

<210> 64
<211> 981
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(981)	
<223> n is a, g, c, or t	
<400> 64	
ttggnaancg tcagaccaag ttactcata tcggatccaa agtgcttgag actgcattt	60
tttcaaattt tgcaatattt gcattataat caccagttaa gcatccgtaa tccaaaaatc	120
ctaaacctac aatgctctaa taaatatttc ctttggctgt gttggtgcaa aaaatgttt	180
ggattttgga agacttcaaa tttcacatta gggatcccct gagtgaaaa aatagtttt	240
gttttaaga ttcttcact caacaacaat caacaaggta gacttctgtg atcaaatgtg	300
tgaggatttc tccccaccaa taagcaatca attctgcagc agacaccaag tgggtatcct	360
ccaattcaag tctgacatta cctacctgga gaaagcgtca gatctcacag gttgatggct	420
cagtcccaca agactgctcc ctacttctga tgtcaatcac aagccacagt ttgttttacc	480
tgtgcttcta actgactgga tataaactgg gaatctcatg agccctctt tgggttcgggt	540
taatttgcta gagtggctca cagaactcag ggaatcacat ttattagttt attataaagg	600
atatacagtt gaagagatac acatggcaag gtatgccctc cctggaaaca ccactctcca	660
ggaacctnct tttgttcctg tccagaagct cttcgaatcc ttcctcttgc ggccttttat	720
ggagacttna ttagatgggc atgactgaca cacatgtaga aatgtgactg gagaaaaaat	780
atatgatcta atattaatag actggggaaa ctcancaggg cctgtntgtt caaatnttc	840
nggnncnttt gggtagcatt nctnctcca gggtnnnnnn gngnacnttt ttgaaagaaa	900
gtntttgacc ctanncaaaa gnngggaaag annaantnct cttnggcag nnaaaaaaaaa	960
aaaaattttt ttttnggnt n	981

<210> 65
<211> 981
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(981)
<223> n is a, g, c, or t

<400> 65
ttggnaancg tcagaccaag tttactcata tcggatccaa agtgcttgag actgcattt 60
tttcaaattt tgcaatattt gcattataat caccagttaa gcatccgtaa tccaaaaatc 120
ctaaacctac aatgctctaa taaatatttc ctttggctgt gttggtgcaa aaaatgttt 180
ggattttgga agacttcaaa tttcacatta gggataccct gagtgaaaaa aatagtttt 240
gttttaaga ttcttcaact caacaacaat caacaaggta gacttctgtg atcaaatgtg 300
tgaggattc tccccaccaa taagcaatca attctgcagc agacaccaag tgggtatcct 360
ccaaattcaag tctgacatta cctacctgga gaaagcgtca gatctcacag gttgatggct 420
cagtcacaca agactgctcc ctacttctga tgtcaatcac aagccacagt ttgtttacc 480
tgtgcttcta actgactgga tataaactgg gaatctcatg agcccctt tgggttcggt 540
taatttgcta gagtggtca cagaactcag ggaatcacat ttattagttt attataaagg 600
atatacagtt gaagagatac acatggcaag gtatgccctc cctggaaaca ccactctcca 660
ggaacctnct tttgttcctg tccagaagct cttcgaatcc tctcccttgc ggcctttat 720
ggagacttna ttagatggc atgactgaca cacatgtaga aatgtgactg gagaaaaaat 780
atatgatcta atattaatag actggggaaa ctcancaggg cctgtntgtt caaatnttc 840
nggnncnttt gggtagcatt nctnctcca gggttnggg gngnacnntt ttgaaagaaa 900
gtnttgacc ctanncaaaa gnggggaaag annaantnct cttnggcag nnaaaaaaaa 960
aaaaattttt ttttngnt n 981

<210> 66
<211> 1005
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(1005)
<223> n is a, g, c, or t

<400> 66
ctnagctngc ttgccaaacc tacaggtggg .gtcttcaaa aaacagacat gcagacttta 60

PDT/USDB/37143

acagataata aggttttga ggtttccgt ttatgtatTT actcgagaaa gcaagagctt	120
tatttattta ttttgagac ggagttcgc tctgtcgccc gggctggagt gcaatggctc	180
catctcgct cactgaaacc tctgcctccc gggttcaagc gattctccca tctcaacctc	240
ccgagtagct gggattacag gcgcgcgacg ccacgcctgt ataaaaatac taaaaatgca	300
aaaataattt ttgtatTTT agtagagatg gcgtttcatc atgttggcga aactccaggc	360
tggtctcgaa ccctgacctc ggtgatctgc ccgcctcggc ctcccaaagt gctgggatta	420
caggcgtgag ccaccgcgac cggccaagag ctttataaaag atggaaaacg aagcagactt	480
tctgccccaa ccatgcttt ggataaggat tacactactt tgaaatctta catatatagc	540
acttggccaa ctatcaaaac tgcacaaaacc ttcactaatt gcaattattc ccttaacat	600
ctcgagttac cccaatccgc acaaaacaag tttagtgccc accaggtaat aatacattca	660
ggaaaataat tccaagaaca gacgttaag aactacagag aaaaacatac tttttctac	720
aagaaaaaaat cttagaggac agtaccaggg nccttatctc tgtagcatg atttatattt	780
cacgtaacgt tggccagtc actgctncat tntaaancna tagccangc anatagaaaag	840
tctgaacana ttgacngcna ngggttaaa tttttacca ggnaacaaan cctggcaaac	900
tgccancang ggtgcccaaa tgctggnctn gggccctgg aagnaaacgg agggcttga	960
atTTTTTCC nttnggaac ngncnnngnt ttnggcnaan tnttc	1005

<210> 67
<211> 863
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(863)
<223> n is a, g, c, or t

<400> 67 ntttggng nntanctnt ananatnngc caattattgg ggggnacctt catcataagt	60
attaatataa taataataat aagtaatagt aactagtaac aacaataaaa aggaaatcag	120
cggaaagtca ggaaaaatgt taaaaaaaaa ttggaataac ttactgttagc tgaagatcaa	180
aaaaatctca ctgtaaaaaaaaa acaaaaataa aaatagccca gattagaaaa acgggaggtg	240
aaaaaatgtc aagtcaagtaa agttcatttc tttctcttt caaaaagcag tttccacaaa	300
aaccgcaagg ataaagttt cagtagcaga caagcaaagc ctttcgaca tcataatca	360
atcttaaaaa tacacgagga agtagagagg tcagttatg agaggctaaa aggctcctcc	420
tcctctaacc caactgctgc agaaaaataa gaaatagaaa tttaaaaat tacatctaa	480

atccagggtcc cggttttgga aacaattaaa aaaaaaacac ctgtacattt gccgtagtgc	540
acaccaagtt gcatcattat gttaaaatg tcttataaa atcagtttg gaatggaatg	600
tgtgtgtct ggaagggtgg ggaagggagg ttaaaaatca aagctgagct ccagttagta	660
gggatgggt tcgccttgct gccctgtgaa agggaaagga cagatnagtc aanttnctaa	720
aatgtntgc cctaancnn anaaaaaact ttgnnttng aantaaaaat ttggtaagct	780
ttaaattccc tggngggaa nccncntaaa naccttnca ngnnnngntta aaattttaan	840
aaaangggnn naaaaaaaaaa ncc	863

<210> 68
<211> 918
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(918)	
<223> n is a, g, c, or t	
?	
<400> 68	
cnnnttctgg nngatnaaan tnnttnnnna nttnccaaat nnattgggg gaannnttca	60
tcataagtat tnatataata ataataataa gtaatagtaa ctagtaacaa caataaaaag	120
gaaatcagcg gaaagtcagg aaaaatgtta aaaaaaaatt ggaataactt actgtagctg	180
aagatcaaaa aaatctcaact gtaaaaaaac aaaaataaaa atagcccaga ttagaaaaac	240
gggaggtgca aaaatgtcaa gtcagtaaag ttcatttctt ttctcttcc aaaagcagtt	300:
tccacaaaaa ccgcaaggat aaagtttca gtagcagaca agcaaagccc tttcgacatc	360
atcaatcaat cttaaaaata cacgaggaag tagagaggtc agtttatgag aggctaaaag	420
gctcctcctc ctctaaccct actgctgcag aaaaataga aatagaattt taaaaatttta	480
catcttaaat ccaggtcccc gttttggaaa caattaaaaa aaaaacacct gtacatttgc	540
cgtagtgcac accaagttgc atcattatgt taaaaatgtc tttataaaat cagttttgga	600
atggaatgtg tgtgttctgg aagggtgggg aaggaggtt aaaaatcaaa gctgagctcc	660
agtgagtagg gatggggttc gccttgcgc cctgtgaaag gagaaggac agattgagtc	720
agagttcctc aaaaatgttg tgccctaaac ccccaagaca gaaacatctt gtttattnn	780
gctaacacaa tnttnntgna naatnatnaa cctccccngg ggagggnacl ccctnnnnnaa	840
aannncctt nccanggant gnnttnaaan ttttnaana tnanntgggg nanaaaaatna	900
acnaancct gnnaattn	918

<210> 69

<211> 887
<212> DNA

<220>
<221> misc_feature
<222> (1)..(887)
<223> n is a, g, c, or t

<400> 69
tncantctt nnnnggcnna nacgcgcgnc nantcgccaa tnactgggg ggnanctca 60
tcataagtat taatataata ataataataa gtaatagtaa cttagtaacaa caataaaaag 120
gaaatcagcg gaaagtgcagg aaaaatgtta aaaaaaaatt ggaataactt actgttagctg 180
aagatcaaaa aaatctcact ,gtaaaaaaaaac aaaaataaaaa atagcccaga ttagaaaaac 240
gggaggtgca aaaatgtcaa gtcagtaaag ttcatttctt ttctttcc aaaagcagtt 300
tccacaaaaa ccgcaaggat aaagtttca gttagcagaca agcaaagccc tttcgacatc 360
atcaatcaat cttaaaaata cacgaggaag tagagaggc agtttatgag aggctaaaaag 420
gctcctcctc ctctaaccct actgctgcag aaaaaataga aatagaaatt ttaaaaatta 480
catcttaaat ccaggtccccg gtttgaaaa caattaaaaa aaaaacacct gtacatttgc 540
cgtagtgcac accaagttgc atcattatgt ttaaaaatgtc tttataaaat cagtttgaa 600
atggaatgtg tgtgttctgg aagggtgggg aaggagggtt aaaaatcaaa gctgagctcc 660
agttagttagg gatgggttc gccttgctgc cctgtgaaag gagaaggac agattgagtc 720
agagttcctc agaaatgttg tgccctaacc cccaagacag aaacatctgt cttgcagct 780
aacacattt ggnaagcatn acatncactg ggatggacag ccncntaaaa aaccttnncn 840
ngncnnntt naanttttaa nnnaaagggg nnnaaataaan naaccn 887

<210> 70
<211> 897
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(897)
<223> n is a, g, c, or t

<400> 70
ctttgggng tnnttcanac ntttancac nnntntcgcc antccncttg aggggnaaac 60
ccatcgccctt ctatcgncctt cttgacgagt tcttctgagc gggactctgg gttcgaaat 120
gagctagccc ttaagtaacg ccattttgca aggcattggaa aaatacataa ctgagaatag 180
aaaagtttag atcgaggtca ggaacagatg gaacagggtc gaccggcga ccggcgaacc 240

ctagagaacc atcagatgtt tccaggggc cccaaggacc tgaaatgacc ctgtgcctta	300
tttgaactaa ccaatcagtt cgcttctcg tcctgttcgc ggcgttctgc tccccgagct	360
caataaaaaga gcccacaacc cctcaactcg ggccgcagtc ctccgattga ctgagtcgcc	420
cgggtacccg tgtatccaat aaaccctctt gcagttgcat ccgacttgc gtctcgctgt	480
tccttggag ggtctctct gagtgattga ctacccgtca gcgggggtct ttcaatgatg	540
gtgtatgatga tgatgataat gacactgatg attttaacc ggataaaaat cgagttttc	600
tgaatgttcc taagaatttc tccggcctcc tgattgactt tggagtttg catcttggga	660
gagaaagcga aggcattagt attttaagt ggattgatca cataaacctt ttctctccca	720
accccaccc tgccttatac ccctccccca cactgaacag aattttactg gctgntaagt	780
ctatgaccc ttttttccct gatcttaac ttaactgnnt tagagcatct ntggacgnnc	840
ggattnnaa atttttnat ttnggnttt ttnnttnaa annnnnatt gggaaan	897

<210> 71
<211> 878
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(878)	
<223> n is a, g, c, or t	
<400> 71	
tcgggngnn ctccactnnt gntgcnnntc nnccgcantc cncttnggg gnaaaccatc	60
gccttctatc gncttcttga cgagttcttc tgagcggac tctggggttc gaaatgagct	120
agcccttaag taacgccatt ttgcaaggca tggaaaaata cataactgag aatagaaaaag	180
ttcagatcga ggtcaggaac agatgaaaca ggtcgaccg gtcgaccggt cgaccctaga	240
gaaccatcag atgttccag ggtccccaa ggacctgaaa tgaccctgtg ctttatttga	300
actaaccaat cagttcgctt ctcgttctg ttcgcgcgt tctgctcccc gagctcaata	360
aaagagccca caaccctca ctcggggcgc cagtcctccg attgactgag tcgcccgggt	420
acccgtgtat ccaataaacc ctcttgcagt tgcattccgac ttgtggtctc gctgttcctt	480
gggagggctct cctctgagtg attgactacc cgtcagcggg ggtctttcaa tgatggtgat	540
gatgatgatg ataatgacac tgatgattt taacggatt aaaatcgagt ttttctgaat	600
ttttctaaga atttctccgg ctcctgatt gactttggag ttttgcattt tggagagaaa	660
agcgaaggca ttagtatttt taagtggatt gatcacataa acctttctt tnccaaaccc	720
acccttgcctt ttatccccctt ccccacactg aacagaattt tactggctgn taagtctatg	780

accttatttt tcctgatctt taactnactg nttagannt ctctggacgn cggnnttna	840
aatttnttat tttgggttt tantttaan cttnattn	878

<210> 72
<211> 964
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(964)
<223> n is a, g, c, or t

<400> 72	
cttctggnn gannnaanca nttcgncan nnctccncca atctacttgn gggcaaaacc	60
catcgcccttc tatkttctt cttgacgagt tcttctgagc gggactctgg ggttcgaaat	120
gagctagccc ttaagtaacg ccatttgca aggcattggaa aaatacataa ctgagaatag	180
aaaagttcag atcgaggta ggaacagatg gaacagggtc gaccggtcga ccggtcgacc	240
ctagagaacc atcagatgtt tccagggtgc cccaaggacc tgaaatgacc ctgtgcctta	300
tttgaactaa ccaatcagtt cgcttctcgc ttctgttcgc gcgcctctgc tccccgagct	360
caataaaaga gcccacaacc cctcactcgg ggcgccagtc ctccgattga ctgagtcgcc	420
cgggtacccg tgtatccaat aaaccctttt gcagttgcat ccgacttgtg gtctcgctgt	480
tccttggag ggtctcctct gagtgattga ctacccgtca gcgggggtct ttcaatgatg	540
gtatgatga tcatgataat gacactgatg atttttaacc ggattaaaat cgagttttc	600
tgaatgtttc taagaatttc tccggcctcc tgattgactt tggagtttg catcttggga	660
gagaaagcga aggcattagt atttttaagt ggattgatca cataaacctt ttttttncca	720
accccacct tgnccctatn cccttnccca cactgaacag aaanttactg gctggannnn	780
natganccta ntttncngn ncttnaanta acnggnnnna anaaancnng gcnnccggnn	840
nnnnaaaaan ttnnnnnnnng nngnttttt naaaaancnt nnttnnaaaa ntaaaancgg	900
nnnnnaaaaaa nggggggggn cnncnnancn tnannnnnggg ngggtttcc nnnaancntt	960
 ttcc	964

<210> 73
<211> 986
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(986)

<223> n is a, g, c, or t

<400> 73

catcnnntctg	nnnngnaana	aacgtncnnn	nnncnnctcc	cnaatttaac	ttgggggggn	60
aaaancatcg	ccttcttattt	ttcttcttga	cgagttcttc	tgagcgggac	tctggggttc	120
gaaatgagct	agcccttaag	taacgccatt	ttgcaaggca	tggaaaaata	cataactgag	180
aatagaaaaag	ttcagatcga	ggtcaggaac	agatggaaca	gggtcgaccg	gtcgaccggt	240
cgaccctaga	gaaccatcag	atgtttccag	ggtgccccaa	ggacctgaaa	tgaccctgtg	300
ccttatttga	actaaccaat	cagttcgctt	ctcgcttctg	ttcgcgcgct	tctgctcccc	360
gagctcaata	aaagagcca	caaccctca	ctcggggcgc	cagtccctcg	attgactgag	420
tcgccccgggt	accctgttat	ccaataaacc	ctcttgcagt	tgcatccgac	ttgtggtctc	480
gctgttcctt	gggagggct	cctctgagtg	attgactacc	cgtcagcggg	ggtctttcaa	540
tgatggtgat	gatgatgatg	ataatgacac	tgatgatttt	taaccggatt	aaaatcgagt	600
ttttctgaat	gtttctaaga	atttctccgg	cctcctgatt	gactttggag	tttgcatct	660
tgggagagaa	agcgaaggca	tttagtatttt	taagtggatt	gatcacataa	acctttctc	720
tcccaacccc	acccttgccc	ttatccctt	ccccacactg	aacagaattt	tactggctgt	780
taagtctatg	accttatttt	tcctgatctt	taacttaact	gnnttanagc	atctntggac	840
gnnnngnattt	naaanntttt	tattnngnt	tttnatttt	aannttnatt	ngnaaanntt	900
naactgggct	gnanaaaagg	gnngggncta	ctnaaantnn	nnacgggagg	gnnttnctg	960
nanncanttn	ctccnnttcc	ntgaan				986

<210> 74

<211> 748

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(748)

<223> n is a, g, c, or t

<400> 74

ttttttgcnt	taccgtatcg	ccgctnnnca	ttcgcagcgc	atcgcccttct	atcgcccttct	60
tgacgagttc	ttctgagcgg	gactctgggg	ttcgaaatga	gctagccctt	aagtaacgcc	120
attttgcag	gcatggaaaa	atacataact	gagaatagaa	aagttcagat	cgaggtcagg	180
aacagatgga	acagggtcga	ccggtcgacc	ggtcgaccct	agagaaccat	cagatttc	240
cagggtgccc	caaggacctg	aaatgaccct	gtgccttatt	tgaactaacc	aatcagttcg	300
cttctcgctt	ctgttcgcgc	gcttctgctc	cccgagctca	ataaaagagc	ccacaacccc	360

accctcttc	agttgcattcc	gacttgggt	ctcgctgttc	cttgggagggg	tctcctctga	480
gtgattgact	acccgtcagc	gggggtcttt	caatgatgg	gatgatgatg	atgataatga	540
cactgatgat	tttaaccgg	attaaaatcg	agttttctg	aatgtttcta	agaatttctc	600
cggcctcctg	attgactttg	gagtttgca	tcttgggaga	gaaagcgaag	gcatttagtat	660
tttaagtgg	attgatcaca	taaaccnntt	tntcttccaa	ccccaccctt	gcccttatnc	720
ccttncccac	actgaacaga	attttact				748

<210> 75
<211> 881
<212> DNA
<213> Cercopithecus aethiops

<220>						
<221>	misc_feature					
<222>	(1)..(881)					
<223>	n is a, g, c, or t					
<400> 75						
tncttgcgg	accgtatcg	ccgcttccga	ttcgcagcgc	atgccttct	atgccttct	60
attttgcgaag	gcatggaaaa	atacataact	gagaatagaa	aagttcagat	cgaggtcagg	180
aacagatgga	acagggtcga	ccgggtcacc	ggtcgaccct	agagaaccat	cagatgttc	240
cagggtgccc	caaggacctg	aatgaccct	gtgccttatt	tgaactaacc	aatcagttcg	300
cttctcgctt	ctgttcgcgc	gttctgctc	cccgagctca	ataaaagagc	ccacaacccc	360
tcactcgaaa	cggcagtcct	ccgattgact	gagtcgccc	ggtacccgtg	tatccaataa	420
accctcttc	agttgcattcc	gacttgggt	ctcgctgttc	cttgggagggg	tctcctctga	480
gtgattgact	acccgtcagc	gggggtcttt	caatgatgg	gatgatgatg	atgataatga	540
cactgatgat	tttaaccgg	attaaaatcg	agttttctg	aatgtttcta	agaatttctc	600
cggcctcctg	attgactttg	gagtttgca	tcttgggaga	gaaagcgaan	gccttantat	660
tttttagngg	gtnggnnaca	tataaccctt	tttttccaa	nccccccctt	nccttttnc	720
cctttcccc	actgaaaaaa	atttacngg	ctgnnaannn	tnnnaccntn	tttnccnnn	780
ncttnannna	annggttnaa	gaccnnnnng	ggccnnnggn	tttnaaantt	tttnnttng	840
gnntttnnnt	tnnaancnnn	cnttggnaaa	nttnaanng	g		881

<210> 76
<211> 906
<212> DNA
<213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(906)
 <223> n is a, g, c, or t

<400> 76
 cannnntctg gggngtnnnn aactnannnn nnnnatgcgn nccacantnn nnttgaaaaaa 60
 aaaaacctga atacatttgt ngttatttcc cttagatctt tttttttttt tttttttttt 120
 ttgagacatc tcactctgtc acccaggcta gagtgaagtgcacaatctctggctcaactg 180
 caacccccac ctgcctggtt caagcgatttc tcctgcctca gcttcccagatgctgg 240
 tataggtgtc caccaccaca cctggctaat ttttttaaaa aatattttta gtggagatgg 300
 ggtttccacca tggtgaccag gctggctctca aactcctgac ctcaaaggat ccacctgcct 360
 tggcctccca aagtgctggg attataagca tgagccacca tgccagcctg tttcttttag 420
 atcttgattt gatattctgg atatgaatga aagaaaatta atgagtgttt caaagtctaa 480
 ataaggaagc tccacagata atattaacat ttctctgatc tagtcatatt tattattgt 540
 tttcaatttag aagtggctgt aggctctgaa agacacacta taaataaagc ctccccctca 600
 tacaccctca ctcacaccca cacttacacc aatgcaattt ttagacagaa acacaagcaa 660
 gaaataggat agattttttt taaaaaatgg gcattggtta aattttctgg tcataaaaaa 720
 aaanntnttt nagaactccc aangggggc cattaataga gacctnattc nctgnngaa 780
 nnaaaannggn aaattnnan aattnctnac aatntttagg ganttgangn aaaatntnn 840
 gtnnnntgnna ctttcctagn ggncnnnttn ngccctatnc ccaggnnttt tatnctaaac 900
 cccntc 906

<210> 77
 <211> 909
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(909)
 <223> n is a, g, c, or t

<400> 77
 cntctnnngg gngttnaanc tgncntnnaa tgcntcacat tnattnnggg gaaaaccgta 60
 ctgacttattt atgagaggtt tctgctcttg ttaggatcca gtaggttga ggtgcaacta 120
 ttcctctact ttactcttcc acctcccaga gaactctgcc aagaaccatg ttaagactgc 180
 tttctgcttt aactactaat agtcttgattt ataggaacgg aatttggta tcaagtaggt 240

tctaagaact taacataaaa actggctatt aatgcatttgc caaaatttgc attttaatc	300
caaggcaaga acaggtcagg caaaaatgga atccaaacac caaattgtta aaagtttaa	360
gtccatttct ctgttagtt tgcaacttaa attactaatt ctctaattgtt ttagagcaga	420
agttggtaaa ttgttctgt aaaaaaattt tttctttaaa ttgtttcata atcaaaattt	480
taggttgtgt aggtgatact gtttctgtt aatttatttta atctaaataa atggacatag	540
ctgtgttcta acaaaacttt atgattaacc tgacaggcca gattgaaat gtagcaggt	600
ttgcacacccc ctactttaga aaaactcagt ctttatact tccagttaca agatgtatct	660
ttttttttt tttttttaaa taagacagta ttatncaa tgtcgggtgg ctcataccna	720
aatttgttcc ccnnttcttn antttcnaa angtggggcc caaanacttn aaaaggtngn	780
anncnnttnn nntaanaaaa nanccattta ggggnnttn caaccctnn aaaaantttt	840
tttcttnaaa aanaantnca naaaannntn ctnaaaaan naaaggggcc cacccnttnt	900
ttttaaaac	909

<210> 78
<211> 890
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(890)
<223> n is a, g, c, or t

<400> 78 gnnntncnnc tttnnnnngat cagccgcncc ncagnncccc accaatccna cttgggtgtaa	60
accccccagc aggtcttgg gcttcttcc tgcttctcca aatgggcct ggcttcccag	120
gagacagccg agagcgccctc gcccctgctg gaagggcagc ctgggagctg gagttggcaa	180
acgggagggg acgggaggag gcccagggga gggggcgtct tcccttagct ttcagcgaca	240
tctgctggcc gtgcgctgaa ctgccgtac cccagaggcc agctggagac caattttgag	300
ttgtgagcag gaaaagagag gaggggttcc aggacaatca ggtctggagc ttccagaaac	360
attccaaaaa cacagtttag gcttttaat tgttcactca gtcattctcc cggggcttag	420
ggagaaatcg gactcagact cggatcttg gggacctacc gcagcatgat aaccagggtg	480
tacctggggc tcataggggc ctggggatca gggaggcccc tcacctgcat tcactgtgt	540
ccaaggactg gcctacatca ctgacatttgc ctgtctcgct gcgggtgctg tgatcttgc	600
gctgtgctca tttgacagat gaaaacgctc aggttgtgag agaacccaa agccagagga	660
ttcccttgcat cactccccctt cttcatgcc catagtcaat cttcttcaa agcctatccg	720

tcccacacctcc aaagcacacc atggatgccc atcctggcc .catcatcggtt accctctnag	780
tgccagcctg cctgancccc tcanttnaag tcccgcctcc tggcctttg cagaaggatc	840
ccaccagaat ctncaagcca cccctccna nttntttttt cccaaatggc	890

<210> 79
<211> 965
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(965)	
<223> n is a, g, c, or t	
 <400> 79	
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agcccccaagg tggccattgt cagggaggtg cttgctatgc agatgtgccg ttcaaaggca	120
tgcagatatg aaagcatcgc tccctcaggt gggagacaat gggaaaggctg agagcactgt	180
ggtaggagc aaggcttgg aattagcagt ccctgcattc aaatcctagc tttacttgcc	240
tcatgacagc cgctctgtcct tgagaaaaat tgtttaacct ctctggacct gtctataatct	300
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tcatgtgaat atgtgctgag tggcctcacg taggaggtgc ttactgactt ctcccaagcc	420
ccctcctctt catcgctact gcccgtctgc gtatcctcca gcctcctccc acgctttctc	480
tcactgcact ttttgggggt gagggaggcc atttctgagt cacttgcctc tggacttgat	540
gaattccatt cgtgtggcgg gggcagcagg gcccagtgtg aaccagcagg tccccaaaccc	600
tgcccactat accactcaag tgagtccaaag ctgtgatgcc cctggctgcc tccccactt	660
cccttgcgcg agctggagg acaaagattg gactctgagg atcagcctga gacttaagat	720
ggaggctgtg ttcccagag cccagggtgg gcatgccagg aagcactctg gctccacgga	780
atgctgcact gccccggggc tggcanacca ncacttcctt gtnttnctgg gtctnacagn	840
cncancctgg cctggctgt tttgcntgn tgnacctgcc tnaaannggn aaancctggn	900
ancctggagn cttccnaggt ttngntttc caancnccca aaattangnc naaccngnct	960
nnggc	965

<210> 80
<211> 891
<212> DNA
<213> Cercopithecus aethiops

<220>

<221> misc_feature
<222> (1)..(891)
<223> n is a, g, c, or t

<400> 80
tttgtaact gtcagaccaa gtttactca tatcgatcc tcttatcag attgatctgc 60
aggtgagggt gtccagagat gtctgcaaa tggcaatgtc ccaggccatg gaaacaggaa 120
tatgggctca aatccattt tggccaggca tggctgctca tgcctgtaat cccaacactt 180
tgggaggtca aggcaggagg attgcttaag cccaggagtt caagaccgtc tggcaacgg 240
agaggagacc ctgtctctac aaataattaa aaaattatct gagcatagtg gcacatgcgt 300
gtggtcccag ctactcgga ggctgaagtggaggatgc ttgaggccaa gaggtcaagg 360
ctgcagtgaa ctgtgatcat accacggcac ttgagcctgg gcgcacagagc aagaccctgt 420
ctttctttt tttttcaaa aaaaaaaaaat ccatttataa tttaacatgg gagcctcact 480
ggaaagagtt ctgtcttgt tgagtggtcc agtgtttgg atggctgga actttgcact 540
tgatgtgttgcattt tcttagagtct atgtcgtgaa gtccttggg gtgatagagc 600
cttggaaaaaa tgtgtttcc ctgtggatta tctaaactag atccaagaac atgaaagacc 660
atccctcagg gagctggcat ttgtctaaaa accancatn cctggccat ttgattgggg 720
ntcttgcttc actgcaaang gggacttgc aaaattttac tnatgnccn nttgttnnn 780
ttntccaagg ggnntttana aaattttct tnncnnttt ncnnnaanacc ccntnnnnt 840
tnnttttnc nnccccnttt ntntnaacna nggggggntt tttnaacnncc n 891

<210> 81
<211> 803
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(803)
<223> n is a, g, c, or t

<400> 81
tggtaactgt cagaccaagt ttactcatat cgatccctt ctggcccac atcactcagg 60
caactctctc ttcccacctg ccccccaaac tcccttccac ctccctccac atgtatcctc 120
ccacttcctt ccactcatgt aatgagaggt gctgatgagt cacaggagag gtagccctag 180
ataaccaaca gactgcaaaa cggacagtcc ctggatgtct gagccagtgt ttgtgcactg 240
cattgactgg ctcctcgtag tttttcctg tagttgctaa agcctgtaag gtctgtgtga 300
tgaatatttt ctaacacatc ttagaagaac ataatgcaag acagaatgaa aaactagaga 360
ggcagaaacc cccaaagtaa gtagtggaa attaccaggt atataatagg tcaagcctgc 420

tctgcaggag ctcaaggat ttagcattc ttatccaaa ccactgaatc ctgggcaaaa	480
ataagaagtc gcctaatttt agtattacca gttcccaac cccgggcatt cttcatctta	540
ctcaagctgt ccagaggccc cagggtgact ccctataagt cccatgggtg gctgagatct	600
attttagaggc acaagggtat ctccctataa gtcccatggg tggctgagat ctatgagaag	660
catcttgggg agagtgcctc tggccaccag catgtggccc tgaatcttc atgtgcaact	720
ggccagggaa ggaaattatg gaaatagtca tcctgcacat ntgcaaatga gatgcaaatc	780
ctggaagctc ttctaaaaaa aaa	803

<210> 82
<211> 763
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(763)	
<223> n is a, g, c, or t	
<400> 82	
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acgagttctt ctgagcggga ctctgggtt cggaaatgagc tagccctaa gtaacgc当地	120
tttgc当地ggc atgaaaaat acataactga gaatagaaaa gttcagatcg aggtcaggaa	180
cagatggaac agggtcgacc ggtcgaccgg tcgaccctag agaaccatca gatgtttcca	240
gggtgccccca aggacctgaa atgaccctgt gccttatttg aactaaccua tcagttcgct	300
tctcgcttct gttcgcgcbc ttctgctccc cggagctcaat aaaagagccc acaaccctc	360
actcggggcg ccagtcctcc gattgactga gtcgccccggg taccctgtta tccaataaac	420
cctcttgcag ttgc当地ccga cttgtggct cgtgttccct tgggagggtc tcctctgagt	480
gattgactac ccgtcagcgg gggctttca gtagcccttc cttttagca aagacagaca	540
gatgggtgatc caagagatac gcaagaagag gaccgtgtgt gtaatggttg agctctaaaa	600
agagaaaatca cttggatgga aatgaaggag aggaaaaggc tgatgtggat ggctggaaag	660
aggttcgatg gttaccttgg caaccgagct tctttctcat cccatccctt ccctagtcct	720
tgtctaaaaa gattttttn tatgtccctt ccctcccaag ggg	763

<210> 83
<211> 861
<212> DNA
<213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(861)
 <223> n is a, g, c, or t

<400> 83
 ttgggganc ctgtcagnac cantttact catatccgga tcctgaccta cattcagtgt 60
 tctagattga aatcacagat tttggataga gaaaaaaaaa tattctctgc aatctaataa 120
 aaccaacttt tttttttttt tttttttttt ttgagacaga gtcttgctcc atggcccagg 180
 ctagagtgca gtagcacgat ctggcttgc tgcaacctct gcctgtcggg ttcaaccgat 240
 tctcctgcct cctgtctcct gccccagcct ntcaagtagc agggattaca ggcatgtgcc 300
 atgatgcccc gctagtttt tttttttt ttgatggatgg ggtcttgcca ttgtgcccag 360
 gctggacttg aactcctgac ctcaggtgat caggccatct tggcctccca aagtgttggg 420
 attacaggcg tgagccatcc tgccctggcca aaaccagcat attttatgga taggaaattt 480

 gaccaaaggc gaatctttta ttgcaggctg tgggnntttt ccatgtggct ggtggncac 600
 tgcaccaagc agcacacaca ctaggcccagt ttncttgca gaccagttg caatcccac 660
 ttnnagccag gattctatta ggtctcnaca accnatggga atttagggng ctcnagntt 720
 nnnggtggga aaaggggact aacctncntg ggttnanggn ttttnaantg gncncnnct 780
 ttggancnng ganatttatt nccaaaanng gnngggntng tnttnnnnnn anaaacccaaa 840
 ttttggaaaa aaancntttt t 861

<210> 84
 <211> 767
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(767)
 <223> n is a, g, c, or t

<400> 84
 ggnattgnncn agcggnntaac aatttcacac agnaattccg tatttggaaat ttggggacaa 60

 tcgcttgaat cttaaaatta cttttctggt cacgcgcgccc gaaggctaa gcatttggta 180
 aatgtctttt ttccccccccc ccaccccttg atgctgttct ctttggctg tcttaattac 240
 acaggggttg agaaacccaaa taaaatttag gcgtgtctgg tcaacagtga tcacgttgc 300
 tgcttttagc tttgcttggta gaagttgctt ctccctccctg agtggcttcc ctccttttt 360
 tttttttttt ttattttaa aaaggaaata tcataagctc tttcagaaat actcacagga 420

agttagtgctc cgtatgctgg ttactcacca gcaactgant gttggcaggt ggagaatgct	480
accgcanccn cccanacaga tctgcaaact ggcccnnnc agangatnaa aacagggtgc	540
gtggaantan ggttttgnn naaangcant tttnaaagnaa atggcactg catnnnttc	600
nagggggggg anttaagnaa cangnttggg gtnaaaaagn ncntgnttcc attnnggngg	660
tnctgctcct tttnaaanggg ngnnggtt naaaaaaaaaag ggccccncnc cccanaaaaa	720
aatttttgg nggaaaacct nccaaaaaaaaa anaccccn cn ttttgn	767

<210> 85
<211> 761
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(761)	
<223> n is a, g, c, or t	
<400> 85	
cngcttgcca acctacaggt ggggtcttcc aaaatattgc gttacaata tcatttttgt	60
gtatgtatgt caaaacccaaa actgccttta tgtcaatatg ctgtaaaaat ctatcagaat	120
atatcttaat tcttaacttt cattgttgc tgtgggttgt cttgtataat tattatcaca	180
tctacagttat tttctgttagg taaatatgaa atgtattata aatgtaccag gggaaaaatg	240
ccctttaata agccttccc tagacaaagc accattnagg cgtttagaag caagaactag	300
tgaaatcaga aattgctgtc atacataactc acctgtgaat ggtcgtaaa aggatccaa	360
gcmcaggact tgtcctggaa gcagaggatc ggattccacc agaaaaagag gcaagttagaa	420
atgccaaatg ccagcgctcc ctttnccag ctcatcttat ttgttaggcac tcagattttg	480
gaatcctcca ggactaacat taaaacccca cttagggngtt tncctaatnc cggaaanga	540
gncagtaggn caaacaactt atccccncna nanaggaaca attccttgag ctccccncct	600
gtttcngaaa ccctnttccc ttntgggncc ctgnanaagg nctgcccnaa tgctngggag	660
nccncncnggt tttnatgaaa accatntnaa aatnccnnaa agttncncnc ccaaggnaan	720
nttccnttta aantttggg aaaaaaancc ccntnanaaaa n	761

<210> 86
<211> 791
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(791)

<223> n is a, g, c, or t

<400> 86

tngggacca	gcttgccaaa	tctacaggtg	gggtcttca	aaatattgcg	ttacaatata	60
cattttggtg	tatgtatgtc	aaaacaaaaa	ctgcctttat	gtcaatatgc	tgtaaaaatc	120
tatcagaata	tatcttaatt	cttaacttcc	attgttgtct	gtgggctgtc	ttgtataacn	180
attatcacat	ctacagtatt	ttctgttaggt	aaatatgaaa	tgtattataa	atgtaccagg	240
gggaaaatgc	cctttaataa	gcctttccct	agacaaagca	ccatttaggc	gtttagaagc	300
aagaactagt	gaaatcagaa	attgctgtca	tacatactca	cctgtgaatg	gtcgtacaaa	360
ggatcccaag	cgcaggactt	gtcctggaag	cagaggatcg	gattccacca	ggaaaagagg	420
caagtagaaa	tgccaaatgc	cagcgctccc	tttccccagc	tcatcttatt	tgtaggcact	480
cagattttgg	aatcctccag	gactaacaat	aaaaaccaca	ctaggttgtt	ttcctaattc	540
ctgtgaaatg	agtcagtagg	tcaaacaact	tatccactcc	agagagagaa	caattccttg	600
agctacactc	cctgtttcca	gtAACCTAT	tccctctctg	tgtccctgga	taaagtgctg	660
ncnacaatgc	atgganagcc	cccggttct	gatgaaancn	atngaaagat	ngcanaaagt	720
agctgcctta	aggaangtt	ccctngaaa	tttaggnaaa	aaaancnnnt	aaaaanacng	780
gnggtcgggtt	t					791

<210> 87

<211> 783

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(783)

<223> n is a, g, c, or t

<400> 87

ttgggganca	gcttgccaan	tctacaggtg	gggtcttca	aaatattgcg	ttacaatata	60
cattttggtg	tatgtatgtc	aaaacaaaaa	ctgcctttat	gtcaatatgc	tgtaaaaatc	120
tatcagaata	tatcttaatt	cttaacttcc	attgttgtct	gtggggtgtc	ttgtataatt	180
attatcacat	ctacagtatt	ttctgttaggt	aaatatgaaa	tgtattataa	atgtaccagg	240
gggaaaatgc	cctttaataa	gcctttccct	agacaaagca	ccatttaggc	gtttagaagc	300
aagaactagt	gaaatcagaa	attgctgtca	tacatactca	cctgtgaatg	gtcgtacaaa	360
ggatcccaag	cgcaggactt	gtcctggaag	cagaggatcg	gattccacca	ggaaaagagg	420
caagtagaaa	tgccaaatgc	cagcgctccc	tttccccagc	tcatcttatt	tgtaggcact	480
cagattttgg	aatcctccag	gactaacaat	aaaaaccacac	tagtnggtt	tcctaattcc	540

tgtgaaatga gtcagtaggn caannantta tncnctccag agagagaaca attccttngn	600
ctacactccc tgttcnna acccnattnc ctttctgngn ccctgganaa aggggtgccc	660
anaatgcntg gggnnncccc ccggntcttg annaaaaacn nttaaaaan ngccnaaagt	720
ancctccntc nanggaagnt tccccttta aattttngn naaaaaannc ctttnaanta	780
ann	783

<210> 88
<211> 769
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(769)
<223> n is a, g, c, or t

<400> 88	
ttggnatgn ccagcggnata acaatttcac acagnaattc cgtatttgaa atttgggac	60
aaacaaacat aactcttctt cttcccttga agggtaatg ctccaaccag cctcagattg	120
gttcgcttga atctaaaat tactttctg gtcacgcgcg ccgaagggtct aagcatttgt	180
gaaatgtctt tttccccccccc ccccacccct tgatgctgtt ctcttgggc tgtcttaatt	240
acacaggggt tgagaaacca aattaaaatt aggctgtct ggtcaacagt gatcacgttgc	300
catgctttta gctttgcttg ttgaagttgc ttctcctccc tgagtggctt tcctcctttt	360
ttttttttt ttttattttt aaaaaggaaa tatcataagc tctttcagaa atactcacag	420
gaagtgagtg tccgtatgct ggttactcac cagcaactga gtgttggcag gtggagaatg	480
ctaccgcagc cgcccgacata gatctgcaga ctggcccat tgcagangat tagacacagg	540
gtgcgtggat catangggtt tttgtacaga aggctgtttt aagangaaan tgggcactgc	600
atgtcatctc nangggngg tgattcangg ancanggctg gggtnaaaaa gcacctggct	660
gccattnngg agntcctgct aattttaaa nggcagggtg gtttaaaaaaa aaaagctccc	720
cccccccaa aaannnnnttt tttggaggna naacttccaa aangaanga	769

<210> 89
<211> 754
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(754)
<223> n is a, g, c, or t

<400> 89
cagcttgcca acctacaggt ggggtctttc aaaatattgc gttacaata tcatttttgt 60
gtatgtatgt caaaaccaaaa actgccttta tgtcaatatg ctgtaaaaat ctatcagaat 120
atatcttaat tcttaacttt cattgttgc tgggggtgt cttgtataat tattatcaca 180
tctacagtat ttctgttagg taaatatgaa atgtattata aatgtaccag ggggaaaatg 240
ccctttaata agcctttccc tagacaaagc accattnagg cgtttagaag caagaactag 300
tgaatcaga aattgctgtc atacatactc acctgtaat ggtcgtaaa aggatccaa 360
gcgcaggact tgcctggaa gcagaggatc ggattccacc agaaaaagag gcaagttagaa 420
atgccaatg ccagcgctcc cttccccag ctcatcttat ttgttaggcac tcagattttg 480
gaatcctcca ggactaaca taaaaaccac actaggttgt ttcctaatt cctgtgaaat 540
gagtcagtag gtcaaacaac ttatccactc cagagagaga acaattcctt gagctacact 600
ccctgttnc agtaacccta ttccctctct gtgtccctgg ataaagtgtc gcnacaatgc 660
atggggagnc caccgggttc tgaatgagac aatcgtaaan atngccaaaa nttagctgcc 720
ntcangggaa antnccntt tgaaatttaa gnnaa 754

<210> 90
<211> 866
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(866)
<223> n is a, g, c, or t

<400> 90
tngggaaacc ctgnccagna cttttttac tcataatccgg atcctgacct acattcagt 60
ttctagattt aaatcacaga ttttggatag agaaaaaaaaa atattctctg caatctaata 120
aaaccaactt tttttttttt tttttttttt tttgagacag agtcttgctc catggccca 180
gctagagtgc agtagcacga tctcggcttg ctgcaacctc tgcctgtngg gttcaaccga 240
ttctcctgcc tcctgtctcc tgccccagcc tntcaagtag cagggattac aggcatgtgc 300
catgatgccc agctagttt ttgtatTTT agtagagatg gggtcttgcc atgttgccca 360
ggctggactt gaactcctga cctcaggta tcaggccatc ttggcctccc aaagtgttgg 420
gattacagggc gtgagccatc ctgcctggcc aaaaccagca tattttatgg ataggaaatt 480
gaggcttaga tggggggaga aaaacattac acagattaaa ccacagctaa tgtcaagtgg 540
tgaccaaagg cgaatctttt attgcaggct gtgggtttt ccatgtggct ggtggcacac 600

tgcaccaagc agcacacaca ctaggccagt ttccttgca gaccagttg caatccatc 660
 tntaancag gatactatta ggtctcnaca ncctatggna ttttagggtg ctcnagttt 720
 agggtggaa aaggggacta anctncttg ntttaggtnt ntccactggn ccctcnctt 780
 nggnccnngg annttnatgc caaaancgg tngggcttt ttgggggnan aannccaanc 840
 cnngggaaaaaa aaacntttt gttang 866

<210> 91
 <211> 783
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(783)
 <223> n is a, g, c, or t

<400> 91
 tgggnntgnc cagcggncaa canttcaca cagaattccg tatttgaat ttggggacaa 60
 acaaacataa ctctttctct ttcccttgaag ggttaatgct ccaaccagcc tcagatttgt 120
 tcgcttgaat cttaaaatta cttttctggt cacgcgcgcc gaaggctaa gcatttgtga 180
 aatgtctttt ttccccccccc ccaccccttg atgctgttct ctggggctg tcttaattac 240
 acaggggttt agaaacccaaa ttaaaattag gcgtgtctgg tcaacagtga tcacgttgc 300
 tgcttttagc ttgtttgtt gaagttgtt ctcctccctg agtggcttc ctcctttttt 360
 tttttttttt ttattttaa aaaggaaata tcataagctc ttccagaaat actcacagga 420
 agtgagtgtc cgtatgtctgg ttactcacca gcaactgagt gttggcaggt ggagaatgct 480
 accgcagccg cccagacaga tctgcagact ggccccattt cagaggatta gacacagggt 540
 gcgtggatca tangttttt gtacagaagg cagtttaag aggaaattgg tcactgcatg 600
 tcatctcgag ggggtggat tcaaggagca gggctnggg gtcanaangc acntggctgc 660
 catctcgggg gttcctgctc acttnnnaaa gggcaggctg gttntnaaaa anaaatgctn 720
 ctttcacccc caaanaggga tttttttgc agngaataac ttcccaaaaaa tgaatngccc 780
 cna 783

<210> 92
 <211> 775
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(775)

<223> n is a, g, c, or t

<400> 92

ttggggaanc	agcttgccaa	anctacaggt	ggggctttc	aaaatattgc	gttacaata	60
tcatttttgt	gtatgtatgt	caaaacccaa	actgcctta	tgtcaatatg	ctgtaaaaat	120
ctatcagaat	atatcttaat	tcttaacttt	cattgttgc	tgtgggttgt	cttgtataat	180
tattatcaca	tctacagtat	tttctgttagg	taaatatgaa	atgtattata	aatgtaccag	240
ggggaaaatg	cccttaata	agccttccc	tagacaaagc	accatttagg	cgtttagaag	300
caagaactag	tgaaaatcaga	aattgctg	tcatacactc	acctgtgaat	ggtcgtacaa	360
aggatccaa	gcgcaggact	tgcctggaa	gcagaggatc	ggattccacc	aggaaaagag	420
gcaagtagaa	atgccaatg	ccagcgctcc	ctttccccag	ctcatcttat	ttgttaggcac	480
tcagattttg	gaatcctcca	ggactaacaa	taaaaaccac	actaggttgt	tttcctaatt	540
cctgtgaaat	gagtcagtag	gtcaaacaac	ttatccactc	cagagagaga	acaattcctt	600
gagctacact	ccctgttcc	agtaacccta	ttccctctct	gtgtccctgg	ataaaagtgt	660
gccanaatg	catggagagn	cccccggtt	ttgaatgana	cccatcgtaa	agatngccaa	720
aagntagctg	cctcaaggg	aagttncnt	ttganattta	gnagaaaaag	tccnt	775

<210> 93

<211> 837

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(837)

<223> n is a, g, c, or t

<400> 93

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atcattttgg	tgtatgtatg	tcaaaacccaa	aactgcctt	atgtcaatat	gctgtaaaaa	120
tctatcaga	tatatcttaa	ttcttaactt	tcattgttgc	ctgtgggttgc	tcttgtataa	180
ttattatcac	atctacagta	tttctgttag	gtaaatatgaa	aatgtattat	aatgtacca	240
ggggaaaat	gcccttaat	aagccttcc	ctagacaaag	caccattag	gcgtttagaa	300
gcaagaacta	gtgaaatcag	aaattgctgt	catacatact	cacctgtgaa	tggtcgtaca	360
aaggatccaa	agcgcaggac	ttgcctggaa	agcagaggat	cggattccac	cagaaaaaga	420
ggcaagtaga	aatgccaat	gccagcgctc	ccttnccca	gctcatctta	ttgttaggca	480
ctcagatttt	ggaatcctcc	aggactaaca	ntaaaacccc	actaggggn	ttncnnantc	540
ctgngaaatg	agtcaagtagg	ncaaacannt	ttncnctcca	nanannnaan	antccntggn	600

ntacnctccc tgnntcagna acccnattcc ctncntgggn ccnggnaaaa gggcgnccca	660
aatggnnnggg ngnccccgg nttnnanga aaccatnnt aaaattnccc aaaantttnc	720
ncccnann gaaannnncc nttaattttn ttnnganaaa aaancccent naaaaaaana	780
ngggggcggg tttnttttn aaagaaanaa anatttttt ttnngggagg ggtnnt	837

<210> 94
<211> 837
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(837)	
<223> n is a, g, c, or t	
<400> 94	
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tagattgaaa tcacagattt tggatagaga aaaaaaaaaata ttctctgaa tctaataaaa	120
ccaaactttttt tttttttttt tttttttttt gagacagagt cttgctccat ggcccaggct	180
agagtgcagt agcacgatct cggcttgctg caacctctgc ctgtcgggtt caaccgattc	240
tcctgcctcc tgtctcctgc cccagctct caagtagcag ggattacagg catgtgccat	300
gatgcccagc tagtttttg tatttttagt agagatgggg tcttgccatg ttgcccaggc	360
tggacttgaa ctcctgacct caggtgatca ggcacatcttgc gcctccaaa gtgtggat	420
tacaggcgtg agccatcctg cctggccaaa accagcatat tttatggata ggaaattgag	480
gcttagatgg gggggaaaaa ancntnccc aaattaancc acagcttatg tnaagtggtg	540
gncccaggcg gnccnnctt tggncnntt tctttggaa cccngntgca atcccccttt	660
taanccggga atctttggg tttcncnccc cttgggnatt nngggggccc caanttnnngn	720
nggggnaagg ggaaaaacc cctttggntn agggnttaa aangggnccc cccttggnc	780
cngggnnntt tntnccnaan ngggnggggt tttttgngg annaacncnn acnnggn	837

<210> 95
<211> 812
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(812)
<223> n is a, g, c, or t

<400> 95
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 acaaacataa ctctttctct ttccttgaag ggttaatgct ccaaccagcc tcagattgg 120
 tcgcttgaat cttaaaaatta ctttctggt cacgcgcgcc gaaggctaa gcatttgtga 180

 acagggggttgc agaaacccaaa ttaaaattttgcgtgtctgg tcaacagtga tcacgttgca 300
 tgcttttagc tttgcttgcgtt gaagttgcgtt ctcctccctg agtggcttgc ctccttttt 360
 tttttttttt ttatTTTaa aaagggaaata tcataagctc tttcagaaat actcacagga 420
 agtgagtgtc cgtagtgcgttactcacca gcaactgagt gttggcaggt ggagaatgct 480
 accgcagccg cccagacaga tctgcagact ggcggccatttgc cagaggatta gacacagggt 540
 gcgtggatca tagggttttt gtacagaagg cagtttaag angaaattgg tcactgcatt 600
 tcatctcgag ggggtggtgat tcanggagca gggctggggg tcanaangca cgtggctgca 660
 tctcggnngt nctgctcant tttaaagggn ngctggntt aaaaataang ntncttcacc 720
 caaaaangaa tttttgcag gnaaannttc naaaaganna cccnatttt tgnnaaaacn 780
 tggaaancc cnntttaan ggnggnntta an 812

<210> 96
 <211> 805
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(805)
 <223> n is a, g, c, or t

<400> 96
 ttggggancn gcttgccaan tctacaggtg gggctttca aaatattgcg ttacaaatat 60
 cattttggtg tatgtatgtc aaaacccaaa ctgcctttat gtcaatatgc tgtaaaaatc 120
 tatcagaata tatcttaatt cttaacttgc attgttgct gtgggttgc ttgtataatt 180
 attatcacat ctacagtatt ttctgttaggt aaatatgaaa tgtattataa atgtaccagg 240
 gggaaaatgc ccttaataa gccttccttgc agacaaagca ccatttaggc gtttagaagc 300
 aagaactagt gaaatcagaa attgctgtca tacatactca cctgtgaatg gtcgtacaaa 360
 ggatcccaag cgaggactt gtccttggaaag cagaggatcg gattccacca ggaaaagagg 420
 caagtagaaa tgccaaatgc cagcgctccc ttccccagc tcatttttattt tgtaggcact 480
 cagattttgg aatccctccag gactaacaat aaaaaccaca ctaggttgc ttcttaattc 540
 ctgtgaaatg agtcagtagg tcaaanaact tatccactcc agagagngaa caattccttg 600

agctacactc cctgtttcag naaccctatt ccctctctgg gtccctggat aaagggctgc	660
cacaatgcat ggggagcccc cnngntntt atggnaacac tcntaaaaat tgccaaaagn	720
tnnctgcctn aangaaaant ncccttnaa ttttggana aaaaancct tnaanaaacn	780
ggggggcggt tttcntax agaaa	805

<210> 97
<211> 854
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(854)	
<223> n is a, g, c, or t	
<400> 97	
ttggggaacn ngcttgccaa ntctacaggt ggggtcttgc aaaatattgc gttacaataa	60
tcatttttgt gtatgtatgt caaaaaccaaa actgccttta tgtcaatatg ctgtaaaaat	120
ctatcagaat atatcttaat tcttaacttt cattgttgc tgtgggttgt cttgtataat	180
tattatcaca tctacagtat tttctgttagg taaatatgaa atgtattata aatgtaccag	240
ggggaaaatg cccttaataa agccttccc tagacaaagc accattnagg cgtttagaaag	300
caagaactag tgaaatcaga aattgctgtc atacatactc acctgtgaat ggctgtacaa	360
aggatcccaa gcgcaggact tgtcctggaa gcagaggatc ggattccacc aggaaaagag	420
gcaagttagaa atgccaatg ccagcgctcc ctttccccag ctcatcttat ttgtaggcac	480
tcagattttg gaatcctcca ggactaacaa taaaaaccac actaggttgn tttcctaatt	540
cctgtgaaat gagtcagtag gtcaaacaac ttatccactc cagagagaga acatccctt	600
gagctacact ncctgnttcc agtaacccta ttccctctct gggccctgg ataaagggt	660
gccnacaatg catngggggg cccccgggt tntgaangaa aannnnnntt aaaaatngcc	720
aaaanntaac tnccctcaan ggnannnnnc cccttttnaa nttttgggn aaaaaaaanc	780
cccnntaaaa aananagggg gggngnntt ttttnnnaa aanaanaann aannttttt	840
tttgggnan annt	854

<210> 98
<211> 912
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(912)

<223> n is a, g, c, or t

<400> 98	
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cacaggagtc agtttcttca gcaangtctt gcttgcctng ttntgaacgg taggatnttg	120
tcgctatatt tgnacacatg agggacctnt gtggagcttc caaatagtgc gctnggcgca	180
atatnnacaa ganacagccc ttagcgantg gcttgcgtnt gggngagatg ntgctctgtg	240
ngatgaattn acanatcaca gagtttttn tttgnntgct tggttcctgt tntnaacggt	300
ggattttgtgn ttttggacca tggatntct atgggctnan agangtccta tgtgngaata	360
nggcaatgta ctgccttta naactggaat gangctnggt gagaanctgc tctgtgttct	420
gtganttccg tactntgaaa tttggggacn aacaaacata nctcttttt ctgttccctg	480
aagggnata tgcctcaacc ccgcncaga ttgggntngc ttgaatctta naattnctt	540
tctggtccccg cccgcccgang gntnagcttt tgngnaatg gtntttttc ccccccccca	600
cccccttggtg gngggtnnnn ttgggcttgg nnttnanntn cccccggggg nntngnnnna	660
ccnattttnn attttgggnn ntggggnc ncangggttc cnnnnnnnnn gnctntnann	720
cttggcttgn nngaangntg ntntcccccc cccggggggg ttccccccnt tttttttt	780
tttntttttt tttnnagggg antttntng tcttttnna annncncncgg gntgggggn	840
tcnntttttt gttttnnncn nnnttgggn nngggggggg gganntttct cttnnncccc	900
cnnnnntttnn gc	912

<210> 99

<211> 807

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(807)

<223> n is a, g, c, or t

<400> 99	
ctgcttgcca anctacaggt ggggtcttcc aaaatattgc gttacaaata tcattttgg	60
gtatgtatgt caaaaccaaa actgccttta tgtcaatatg ctgtaaaaat ctatcagaat	120
atatcttaat tcttaacttt cattgttgc tgtgggttgt cttgtataat tattatcaca	180
tctacagttat tttctgttagg taaatatgaa atgtattata aatgtaccag gggaaaaatg	240
ccctttaata agcctttccc tagacaaagc accattnagg cgtttagaag caagaactag	300
tgaaaatcaga aattgctgtc atacataactc acctgtgaat ggtcgtacaa aggatccaa	360
gcmcaggact tgtcctggaa gcagaggatc ggattccacc agaaaaagag gcaagttagaa	420

atgccaaatg ccagcgctcc ctttncccag ctcatcttac ttgttaggcac tcagatttg 480
 gaatcctcca ggactaacan taaaacccca ctaggttgtt ttcctaattc ctgtgaaatg 540
 agtcagtagg tcaaanannt ttncnctcca ganaggaaca attccttgag ctanctccct 600
 gtttcaggaa ccctattccc ttntgggncc ctggaaaang gctgccacan tgctggaaag 660
 cccccgggtt tnaangnaaa aatcnnaaaa ttgccaaaan tancnncccn agggnnngt 720
 cccttanant ttnggaaaa aancccnnta aaaaancnng ggnncnntt nttaaaaana 780
 aaanaaaattt ttnttngggn gnntttnn 807

 <210> 100
 <211> 814
 <212> DNA
 <213> Cercopithecus aethiops

 <220>
 <221> misc_feature
 <222> (1)..(614)
 <223> n is a, g, c, or t

 <220>
 <221> misc_feature
 <222> (1)..(814)
 <223> n is a, g, c, or t

 <400> 100
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 ctagaatagt aagtggcttc ctaggctctg tcactcctaa actgttaggg gcttccagcc 120
 tcggagatta cggaagtagt acttttcatt agcaagctca agaagaagtg tcaaaatagg 180
 atgacacttt cctagtcgct ctgcaaaaac ccaaaaaacc agaagggtg tcatctagac 240
 actcctaagt ctatgcaggt gtcagcctgc cctcacccaa caccagccag cagcgtgcac 300
 cattcaacca tatcttaact tgccccttac aaattgacac ttacactaac aagcccttg 360
 atctcatttg tttaaaatga cagatataca accctcacgg gggttccac tcaaggcctt 420
 ncagcctncg ncctgcccct gnccacccccc aaacctacac acgtgttagc cgcacacccgg 480
 cccccccggg tcccacgtgc acctggctta acacactncc cacgtgtggg cgccccacgg 540
 gctttctnan gtagctgang gncccccattt gaccccccgt tntccaaaan aaaaaaacgg 600
 gaaggacaag ggccttttc nccgnggncc caaccntngg ggggggnngt ccaacccctt 660
 nttnnnntat aaacccaaa aaananaaaag ggccccgggn ccnnccccc ccttnaaaaa 720
 ncccgncccc ctttttnccc cccnaaaaaa nggggggaaa aaaaaaattt aaaaaannc 780
 nttttttntt tttnnnccccc ccnnncatnta nata 814

 <210> 101

<211> 756
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(756)
<223> n is a, g, c, or t

<400> 101

tggcccaga gtctaaatag gagcccaaaa ctaatcaactg tatggtagtc gaacttcccg	120
gcacttcccc gacaatctac aacccatcc aaagggtca gaaactggta ataaaatacc	180
agctatgagc ctntccttcc cctcaagaga tctatcaatt cggcctcacc ttcccacctc	240
tagcctgcgg gaacaaacat cccaggatcc cgggcggttt cgattgacgt tacttccggg	300
aaaagtaacc ttgcttcggc ggttgcgggc ctgaaaagct ctcgcgacat ttccctccgc	360
nagatctgct tgctcaactgt agcgatgaca tcctcctcct cctccccgcc gcctttcggc	420
aatcttcgccc agtcccagcc ccgaccaatc tgcactcaga tggcatggat cagggctc	480
cctcgaaccc cgggtcgcac gggcgtcag gtggcagcgg cgggtgcga gctgcgcgag	540
gccnacngca gcggcaactgc gggtgccng gggcaggcca caagcantga ntgtngccg	600
ggccgggggn aacccacccg ntagcggct cnantgnntc tggcctggct ttngngccct	660
tttctcccccc cnccangggt tcccggnnc ctgttncgnt tcttttaann gggaaaggg	720
cccccccccc ccccnngncca angcccnnn acnnnt	756

<210> 102
<211> 804
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(804)
<223> n is a, g, c, or t

<400> 102	
tgggntgncc agcggnataac antttcacac agaattccaa ttatgggaa caagacatct	60
gaattggcta aaactccttg cagcagcaaa aaggaaaagc aaaacaaaac catacatgtg	120
gtttctgtct ttgcttcctg tctttcttc caccttactc ctccttcccc ttccccttcc	180
ccttccccctt cccatcttt gctacaaaaaaa aaaaatctag agaagccttc tattaacctg	240
aacccttaa agaagtcaaga acaaaggcac cacttgccgc tttttggat gtcgtgtttt	300
ctttatggag tttcaagag taatggcag atgcttttag gtctacagtt ctgctttcct	360

gtattgcact acctgattct ttgactttt gagaataccag aaattacctt gtaccatgag	420
aggatttggc tttggcatgt gtaatggcag atgagagcta caaagttaag agtggctgaa	480
gatggtttac atgaagtggt ctttaggtggt ttagctgagc tcccaggaag ttgttgtcta	540
ggatcccaat tctagttcag aggtgcattc ctattattat tatcattact attggtggtg	600
ntgntattat tttgagacag agtcttgctc tgttaccca ggctggagtc ctctggcacc	660
attacgggtn actggagcct naantccag gctncagaga tcctccttt anntcnag	720
tagtgggacn canangnngg nncccccaa cnnannnatt tttgnncttt tgnnaanaann	780
gggtttgntt ttngncnnn ntgn	804

<210> 103
<211> 795
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(795)	
<223> n is a, g, c, or t	
<400> 103	
ggnattgn cn agcggn taac aattcacac agnaattctg gagttagg tt gtctggc ta	60
ttcaatttagt ttctatgtgt ctgacacatg gcagaaaactt attaaatgct tgaatgaata	120
cataaagcaa gatgacagtt tcagaatgna ccaggttaatt caaagtactg aatccatatt	180
aaatttattt tagtctacac agaagtgaag taacactaaa atctggcat ttaccagg tg	240
atggcaagta ttcat tcca tcatccagcc cggtacctgg cacatagtt ctgcctatg	300
taaatgctt tcacagcaat caatcaatga aatgttttc tcata gatggttt cggtaataa	360
ctcacgacag catactcaca gaggattca agagtattt acttgatat attgtttaa	420
acagttggaa cctgataatg cagtttcta aaatacagtg aaaggc ttgcctaaagg	480
catgtcagga tatgtgtgag aaaggatgaa cttgtcctgt gaagaca acc ttgcattagc	540
tctagcagaa tgagccattt cttacctggg ctgggg aagg cggcacctca gtatctcc	600
cacctgctcc ctggcacttt aaatccctct gtgaagangt cagttgtaat ttctagtaag	660
attgaagg tt tcaaagcact gaccctggg gggatggat tngcttaagt tggctctgaa	720
ngaagnggct gggatnngct ntctgaaaaa cccgggattt tgaggnaatg gagacngccg	780
ggagggttnna anaaa	795

<210> 104
<211> 641
<212> DNA

<213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(641)
 <223> n is a, g, c, or t

<400> 104
 tgggggnacc cagcggntaa catttcaca cagaaatctc attcaatgaa ctgttatggg 60
 gtctcacatt gtaccaggca ctggggattc agcttccagt tcatagtctg catgcaaacc 120
 gacatgcagg tagacatgca gacagaaaat cggaacgcaa cacggtaagt gctatgctag 180
 agaatgagaa ggactgtcag taatcacaac caccttcac tgggttcctt cagtgtgcc 240
 ggctcgta cattattttg ttttagtgctc acaattgtat ggactgtgta ctatcatgg 300
 ccagattata tggatgaaga aactagactg agggggtaa ataactcgac caagatcatg 360
 cagacaaaaaa accacagaga ttatTTCCA atacaaactc tctggctgta cagctcaagt 420
 tcttaaacac tggccaacc agtctgaatc tgagaggagg cattctaagg cttacaggta 480
 agtggaaatt gaaagggttg agggaaagcct tctggaggag atgccattac actgaatgtt 540
 gaatgagtag gagttagcta tctccagagg ggttagtgct gtgaaggggc gaggggtana 600
 gggtgggaag gggatgatgg aaggtggtag agtggnnaca g 641

<210> 105
 <211> 757
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(757)
 <223> n is a, g, c, or t

<400> 105
 cngncttgcc aacctacagg tgggtcttt caagatctgc tgacagtcaa gctaaatctg 60
 gcggaagcaa aggattcaact ttctcataat ggattaactc atcctatttg cctcttaaac 120
 aatgggtatt ttaaagacag aagttgaagg aagtccaaatgt atccaaatttt aaggatgcct 180
 attagagcag ttataagaga gtgtctctct ttctctctct tctttcttc tcttggtagg 240
 agtatgcagg aggtcattta aaagccagat agtgatacaa atcacaatgc agaaaaacat 300
 ccccgtggac tcctccctgt cctatgtttg acattctaa aatctatgtc ccaggtctt 360
 aaatctttaa ataatctacc atgttctttg gcctgcctg ggaaatctat ttcagtagcca 420
 gagctatgct ggttacacac cttttctgac tcatgttccc aagtgatttt attccagata 480
 cgatttgggg acagttacgt gtactgttct gatatcttcc taaaaggaaa ttatTTGG 540

aagtaaagtc actgataaaa tcanctcagg aaaatgcact ttgtaaatat taaaatataa	600
actttttnaa ggncntgctg gaaaanacta attgatttc ctgggnagca gttccatnga	660
acancgatng atcttaggg ggnagtgaan ggccccnatt tgaaaaangg gggcgggaaa	720
ngttcaaata nttttccaa angggnncct anntnnnt	757

<210> 106
<211> 640
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(640)	
<223> n is a, g, c, or t	
<400> 106	
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tctcacattg taccaggcac tggggattca gcttcagtt catagtctgc atgcaaaccg	120
acatgcaggt agacatgcag acagaaaatc ggaacgcaac acggtaagtg ctatgctaga	180
gaatgagaag gactgtcagt aatcacaacc acctttcact gggttccttc agtgtgccag	240
gctcggtac attattttgt ttagtgctca caattgtatg gactgtgtac ttcatttgc	300
cagattatat ggatgaagaa actagactga gggggtaaaa taactcgcc aagatcatgc	360
agacaaaaaaaa ccacagagat tattttccaa tacaaactct ctggcggtac agctcaagtt	420
cttaaacact gggccaacca gtctgaatct gagaggaggc attctaaggc ttacaggtaa	480
gtgggaattt aaagggttga gggaaaggctt ctggaggaga tgccattaca ctgaatgtt	540
aatgagtagg agttagctat ctccanaggg gtatggctg tgaangggcn aggggtaaag	600
ggtgggaagg ggatnatgga aggggttnaa tnggnncnng	640

<210> 107
<211> 818
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(818)	
<223> n is a, g, c, or t	
<400> 107	
ttggggacca gcttgccaat tctacaggtg gggtcttca agatctgctg acagtgaagc	60
taaatctggc ggaagcaaag gattcacttt ctcataatgg attaactcat cctatttgc	120

tcttaaacaa tgggtatTTT aaagacagaa gttgaaggaa gtccaaGtat ccaatttAA	180
ggatgcctat tagAGCAGTT ataAGAGAGt gtctctCTT ctctctttc tttctttctc	240
ttggtaggag tatgcaggag gtcattaaa agccAGATAG tgatacaaAt cacaatgcag	300
aaaaACATCC ccgtggACTC ctccctgtcc tatgtttGAC attcttaAAA tctatgtccc	360
aggTCTGAA atctttAAAt aatctaccat gttcttGGC ctgcCCTGGG aaatctatTT	420
cagtaccaga gctatgctgg ttacacacct tttctgactc atgttccAA gtgattttat	480
tccagatacg atttggggac agttacgtgt actgttctGA tatcttccta aaaggAAatt	540
atTTTggAAg taaAGTCact gataAAatCA actcAGGAAA atgcactttG taaatattAA	600
aatataAAACA ttattAAAGG ccatgctgtA AAAATACTAA ttgattttcc tgggtAGCAG	660
ttacaatAGA acancgatng atctctaagg ggagAGtgAA aggacctcan tttganAAAC	720
gtgaggcagg AAAAGNTTCA' aatnattatt tncaanAGGG ntccctaAGt tgtncttaA	780
anAAAATTtT tttcnTnAAA aaaaaAcnnT aangGCCA	818

<210> 108
<211> 608
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(608)
<223> n is a, g, c, or t

<400> 108	
ttgggaccct gtcagaccan ttTtactcat atcggatccc ctgaggtcgg gagatcaaga	60
ccaccctggc caacatggtg aaaccctgtc tctactAAA tacaAAAAtt agccaggcgt	120
ggTggcaggc gcctgtAATC ccagctactc aaaggctgag gcaggagaat cgcttgaacc	180
taggaggcag aggtggaAGt gagccgagat cataccactg cactccagcc tgggcATCAG	240
agccagactc tgcgcaAAA aaaaaaaaaa aaaaaaaaaa attagctacc tctccatcc	300
anAAatgaga gtcgaggcTT ctgacttccc gggctcaatt tATCCTCCG cctcagcctc	360
ttgaggaact gggactacAG acgtgcacta tcacacttgg ctaattttt tgagatgatG	420
tcttgctctg tgcccaggct ggagtacagt gacacaatct cagctactg caacctccgc	480
ctnctgggtt caaccgattc tnttgcttca gcctcccaag tagctggat tacaggcgtg	540
ccccacaacg tccagntatt tttgtattn aagnagagac ngggnnncc cctgttgnc	600
ngggnggg	608

<210> 109

<211> 516
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(516)
<223> n is a, g, c, or t

<400> 109
ngggancctg nccagnacct ttttactgca tatcgatcc tgagaagctc ctgatttcc 60
ctcaaggccta aggcaaagta gtattcagaa cctcctatcc cactgactcc gagagcctgt 120
cctccgatat ctccaagaga gcctatcctc cgataggagg ggaagcccct ccaacctgca 180
ggtatccctcc ccagactcac catttctccc accccacact ggtggcttcc aaactttccc 240
tctcataaca aggcgcctg tcacccagac tgcttcctc ggcttgagga ggaggggaag 300
gcgcacgaag taggaaggaa cttgggaga gggcgggccc agggtgtggcg aagcactgag 360
gggagggcgg tgaagaaggc agaagtcaagg cagttagagg gagaagcggc gggggcaggt 420
gagggcgggg gagtgggat gggccgggg aaaggggccc agaggacgctc gagggggcag 480
aggttagggna caggagggga ggggaggggg agggcc 516

<210> 110
<211> 802
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(802)
<223> n is a, g, c, or t

<400> 110
tnngggaaacc tgccagacct ttttactca tatcgatcc ttattgcctg gctatttcag 60
cctggggaggg gtttggctgg aatatccctg gggaggcagg ctctcaggc taaaatagt 120
ggagaaaaaga ttaaaccttt agaaaactgg tacacatcag cgctaagtgt gactcagg 180
gaaacaagaa ctaggacact tattactcca aaggagttgt atttggttca actcttgat 240
tttcttatta aaactttgc aaagtgggtt gagaagaaag tgttacttcc agtggcac 300
cctcaacact tttcctgtg gagactccag catgttcatt atgtttctg aagccatggc 360
actgttagtac tcttcattt gtttattat tatttaataa tataaaatga gacattttg 420
ctccatttt cattcatatt tttgtcccaa ttactttta aatatattct ggtgtcaggt 480
caatatttat agtctaacgt ttaagactta gactttgggtt ctttaggatgt tattttgaa 540
tcagctgcgt ctggtaaggt aatagatatt gaaagtgcct tgtaaattgt ccagtggcat 600

aaaagtattg tcataatctt atgacataaa agaaaantgt tttcttctt ttagcatgga 660
 aaactttaca anccattgc tggtaacngg ngangncctn ggggttggat ttcatgattt 720
 tgggtccct tgagggtcca aantaccntt ctaanagnngg aaantttca nnaattcatg 780
 antgnccna tttnaanann tt 802

<210> 111
 <211> 851
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(851)
 <223> n is a, g, c, or t

<400> 111
 tactttttt tgggggncc aagncggnata acatttcac acagaaatct ccaagttccn 60
 naggaccgca gnatcctccc cagaaccctt gngaccaagt cactgtggtt ggntgtgtg 120
 ggcacatccctg aggcccagcc actcaacttt actggctcca ggattctata gaaagggaaa 180
 gggtagaaaa atctcaaaaag gcttcttcct ttcaggagg gggttccctc tcagcggctt 240
 ctggaatctc tacccactcc agccgacttt tgaggccatg tggcctgga acaaggcccc 300
 tctgagggcg gcagatgggg caggcggccc aggcacacag catggttggc tctgcggccc 360
 agggccccaca aaagccttat tgagtcacca ccagcccccg gcagaggctg aggtggcagt 420
 ggcgccgagc gcctgccacc taatgactgt cctggcacag ccagatgttc cgcagacctc 480
 cggagcagcg ggaccaaggg cccgccccgg ccagccggca ccngannagg ccactttaa 540
 tttccaatta accagnttc agnntganen aaanaggggg gcagtnngtg gncccacccc 600
 cgggcnagta ngccccggcc cnnaaaannc cttncaagt nttaanactn ccanatntga 660
 aaccnccacc nccngaatt cccnatggaa aaantggccc ccagccangg gcaagggntt 720
 gggnccttc tttctttgg aaaagggaaat tttggttntt ttnacnaagg cccccaang 780

aaccccnatt t 851

<210> 112
 <211> 773
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(773)

<223> n is a, g, c, or t

<400> 112

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aactcagcta	gtaaaggcag ggacagggtt tcgcaggctc tcggaactca cgagtccccg	120
ccaggcgcat	ggccgctcct ttccccggt gggcgtggcc aggccaggcc cgtccccctcc	180
cctgagcg	cg ttcctggcag cccggccggc cgtnctgc ctgcgtcgct gggcgccgg	240
gcgggcgggc	agccatctg gcggcccccgg cggggcggcg cggggaggcg gcccagactt	300
gctggagcca	ggcgctgcc cggggggccccc cctgcccggc tggagaaccc aggtgtggcc	360
gcggcgaaaa	tgggggtgg tgcttcctt cccgctcgct cggctctnc tgacgcacga	420
gggcaggatg	cagcctcctc ccgtcctctc ctcggcctcc gcctcccgcg ccctggcccg	480
gaatcctgga	gggaatccaa acgcggggcg gggaggccgg ggcaggcccc tgaggcccg	540
ccctgata	ccatTTAATA ccaccgcaag tcttgaccgt attttgggg tgacccanct	600
tccctgcttgc	ggcaagacca gctgaactct gacctnctgg angggcatt ttaccttgct	660
cctcagg	gac ccnnaaatga tcgttaggaac cngnntcaact actgctgtaa gccanancgc	720
ttganatatn	caattattca gcggnttcaa gtcccgaaag cggnttttaa cna	773

<210> 113

<211> 807

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(807)

<223> n is a, g, c, or t

<400> 113

ttggggttgc	gagcggnataa canttcaca cagaattctt cagtgaattt cttaagccct	60
gagcatcttc	tttgtattct gcttaagaa ctgtttgtt tctgtatttc atactcagtg	120
gctctggcgc	ttggatgccc tggcccaca gaaggccttg aataactgaat ctgaggatgg	180
ggcttgctt	taaggacctt actccctgtc ttaaccagat tgtgtttaa ctttcatct	240
cacttttac	tttcattca tggatagtgt ttgtcactgt gtgtgtgtgt gtgtgttat	300
gaatgagtga	atgaatatct ctcacactct aaattcttt aaaggcagga agtactgttc	360
tcttgtttgc	tatTTATCC actctgcctc tactgggtct ggcacataat aaagaaagaa	420
tgaacaggac	aaacacccat tctgaaagtg aacttctctg gcaattgtcg tttgtacata	480
ccagctggag	catagacaat tggctttaa tgtggtaagg gaaaaggtca aaaaaagaat	540
cgtcattgac	caagggttcc accagatgtat ttataatca ntccnaaagg gnctttaan	600

aaaaaaaggcc ttngaggaac aaatttnttc cnnnntggaaa antgnnttna aattttntn 660
 gaaaaagtt tnanaatttt tgnaaaaccc ccnccccnnt gaaaacntnt aaancnngna 720
 annngnnnng ggcggggttt naaaaaaaaaa aantncccc cnnnnaanng ggncttnaa 780
 aaannnnnngn ntnctaaaaa aangggg 807

<210> 114
 <211> 836
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(836)
 <223> n is a, g, c, or t

 <400> 114
 ttggggacca gcttgccaan tctacaggtg gggtctttca gtatgtgtca agagtcagaa 60
 tttaaagaag ataagaaaat taaatacact gagaacaatg catctcntga cattcaaaat 120
 atgttaagtgc agcaaccagc agtaattcca taggcctttt atcaacacctt gccaaaacct 180
 ataaaaagaa tatctaaaat tgcttttta taaaagttcc tatttattct tgtttccctt 240
 accagagagc ctgcttccc cttactgatg agaacacagg gggcctggg taaagagtcc 300
 ataananatta aaaaggagta tgccttggcc tcccatgacc ctcttacttc acaataaggc 360
 catctttac ctggtttaga tttgcagact aggtccatta gatacgttgt cattaaatac 420
 ctatactata ccctaataatt tgtaatcttg acaggtatta tttcatttt atagacagat 480
 ctagaaaaat tacatgactt atcggaatcc cttcaaatat cacagagcaa agtcatgatt 540
 ttaacttgtg tttgccactc tgaaaactcac actggaattc gagactagtg tgcgtAACAT 600
 ggcgaaaccc catctctatt tnttntttc aaaatntntt tttccaaaat ttgctgggg 660
 tgggtgtg tgcctgtant ncagcctnct tgggaggctn aanngngga cngcttgacc 720
 ctggngnaa aggctaaatn gncttnttn gcccctggan ttaaccnngg ggaaaaangg 780
 aacccttntc aaaataaaatt ttaaattaaa naangccnag gtttcccnna aaaaat 836

<210> 115
 <211> 839
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(839)
 <223> n is a, g, c, or t

<400> 115
ttgggananc gagcggntaa catttcaca cagaantcca gtgtgagttt cagagtggca 60
aacacaagtt aaaatcatga ctttgctctg tgatatttga agggattccg ataagtcatg 120
taattttcct agatctgtct ataaaatgaa aataatacct gtcaagatta caaatattag 180
ggtagtat aggtatattaa tgacaacnta tctaattggac ctatgtcgca aatctaaacc 240
aggtaaaaga tggccttatt gtgaagtaag agggcatgg gaggccaagg cataactcctt 300
tttaaatttt atggactctt tacccaggac cccctgtgtt ctcatcgta aggggaaagc 360
aggctctctg gtaagggaaa caagaataaa taggaacttt cataaaaaag caattttaga 420
tattctttt ataggtttt gcaaagggtt ataaaaggcc tatggaatta ctgctgggtt 480
ctgcacttac atattttgaa tgtcttgaga tgcattgttc tcagtgtatt taattttctt 540
atcttcttta aattctgact cttgacacat actgaaagac cccacctgtt ggtttggcaa 600
gctagctgag gatcgtttcg catgattgaa caagatggat tgcacgctgg ttctccggcc 660
gcttgggtgg agaggctatt cggtatgac tggcacaca gacantcggn tgctctgt 720
ccgcccgtttt cggctgtcan cncagggcnc ccgnntttt tgnaanaccn nctgnccggg 780
ccctnatgaa ctgnngacaa ggcacccggc ttntnggtt ncnaaanggn gtttnttgc 839

<210> 116
<211> 815
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(815)
<223> n is a, g, c, or t

<400> 116
tnnnnnacca gcttgcant tctacaggtt gggctttca gtatgtgtca agagtcagaa 60
tttaaagaag ataagaaaat taaatacact gagaacaatg catctcaaga cattcaaaaat 120
atgttaagtgc agcaaccagc agtaattcca taggcctttt atcaacctt gccaaaacct 180
ataaaaaagaa tatctaaaat tgcttttta taaaagttcc tatttattct tgttccctt 240
accagagagc ctgctttccc cttactgatg agaacacagg gggctctggg taaagagtcc 300
ataaaaatttta aaaaggagta tgccttggcc tcccatgacc ctcttacttc acaataaggc 360
catcttttac ctggttttaga tttgcagact aggtccattt gatacgttgt cattaaatac 420
ctataactata ccctaataatt tgtaatctt acaggttta ttttatttt atagacagat 480
ctaggaaaat tacatgactt atcggaaatcc cttcaaataat cacagagcaa agtcatgatt 540
ttaacttgc tttgnactc tgaaaactcac actggaaattn tgngggaaat nntatccgt 600

canaattccc ccnacatgag cgtinanaccc cgaaaaaaaga acaangatnt ttttggacc 660
 ntttttttg gggnaanng gngnngnaaa aaaaaaccnc cnntncnacg ggggtttgtt 720
 ggcgganaan aacnccacct ttttcnnaa ggaaangntt tnaaaangcg aanaccaaaa 780
 ntgtcnntt gnnnggccgg gttggncnn cttna 815

<210> 117
 <211> 792
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(792)
 <223> n is a, g, c, or t

 <400> 117
 ttgggganc gagcggntaa catttcaca cagaaattcc cgacctcaag tgatatatcc 60
 accttggct ccaaaagtgc tgggattaca ggcatgagcc accgcgcccg gccccttc 120
 gcagttctc tcactcctt cagaatcgag gagtctgcta ttccatcgac atctaacc 180
 ctccctctaaa ccagcctgca atccccatcg gagaactaca atccaatcag ggattaaatc 240
 taaattcctc ccacatgtatc actgggatcc ctacccattc aactccccctc ctccctccaga 300
 aatgttacca atccccatcaa gcctccaatc acctgtttag ccaccagcca agcgcttact 360
 aatccctgtc tcccaagctc agacactccc tgtaattgtat ggacacgcag cattggagc 420
 tttcacattt agctcttact ttgaaacttt gaataagaaa agagctgaaa aaagcagatc 480
 tcccaatctc ggtgaaactg tagttaact ccaagtagaa taccccaata aatggatang 540
 aatganaaat ctcatatggg ttatatangc antatttana aattttggaa ttatagggnnt 600
 anggatncaa actnnanan tantattcca ttggnnnttg gngcnccna ngntaaan 660
 gttnnccnct canaaggaaa nggggnggt nangggctan nccnnaancc anntttgg 720
 ggntnggnnn aaanttttn ggnccaantt naaanaaann tnntnaaaaa aanggnncn 780
 ttttnaaaaa aa 792

<210> 118
 <211> 838
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(838)
 <223> n is a, g, c, or t

<400> 118
 gggnaaccga gcggntaaca tttcacaca gaaantcgga aagtaaagcc aatcttagag 60
 gctgcaggag gtttggggc agtatctgat tcagacgctg gctaacgttt cacgatcg 120
 ttccctttt tcttccaact cggttaagtaa aaaggcaaga tgagaaattt acgtgctgaa 180
 cttataaaat agttggtgga cgtattgcct tttttttttt tttttggta agggatgaca 240
 catctcgta ctacagttct tttgaggaat aactttctg ctatccc aatcggc 300
 tgaccaaagt ctttcatacg gattttagcg tcctgataaa aatcaatggg cagaatttga 360
 ttgctttta aaaaatgtgt ttgtcccttg gtctctggca ccattgtaat ggaaaatccc 420
 tacattgcct gtactctcg aagctgtcca gtggagcaaa actagagata aagaaacctg 480
 gaacgattca gtaggaact tttaagaagc cagcctttag ttttcctt agaagattat 540
 gcagttatca tgattgcttc tctagaactt cagtgtgtt tttggattcc taaatctaag 600
 acaatgctgn ggaagtctgg ggctttagn attttnggt ctgctgnaga aaatcctcg 660
 ttatactaca aagtttctnt tttggaaactt tnggaattgg gcatttttn nnttattatt 720
 ngnatgnntng antnanngc aaaactnagn naaccctttt nggtttgcct cnanccggtt 780
 nttaaanaaaa ngggaaaaan cctnanta aantttttc caccctttt tntttnt 838

<210> 119
 <211> 820
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(820)
 <223> n is a, g, c, or t
 <400> 119
 ttggganct agttgccaa ntctacaggt ggggtcttgc agtggggggc tgtcctgt 60
 gttatagaat gtttagcagc aaaaattaaa aattaaataa caaaaataaa aataaaaaag 120
 aatgtttagc agcatccctg gcctctaccc actagatgtc agcagcacct cccttgc 180
 caggtgtgaa caaaaatgc ctgcagacat tgccaaatat ctccttaggag gacaaaattg 240
 tcctctcttc cacttgagaa ctattactct aaaattaccc agatctgctt tgaatcccc 300
 ctccacccca tcacaacctg ggtcatcttgc gaaaacagac tgaaccttcc tatgcccc 360
 gcaaattcct caactgtaac atggagctct tgctgaagaa atgctatgaa aattaaatga 420
 aatgatgtac gtacaggatt tacacgcaca gaatattcac cgccgcagag tgagtgc 480
 ataaatggtc agaaatgagg ggaggctaaa aaaaaataat ttcgagaact caaaaatctt 540

atcttaggc ctccagaga ctgtagtcta gacagaagaa atgggtgaga tagaancaaa 600
 agagatgaga gaggttggaa aagaagtgtt agaactaagg tattattccc cttatcttt 660
 aagaaccgg cttggagtca aagccaatag agggtctact tagtttgnc tattactcta 720
 cttaata taacgaaaat tgcccaaacc caaagtntcc aaaaaaaact ttnnnntnan 780
 cggggatttc tncncggncn aaaatctaann nccccnctnc 820

<210> 120
 <211> 797
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(797)
 <223> n is a, g, c, or t-

 <400> 120
 ttgggttgc gagcggnntaa canttcaca cagnaattca gctgatgaat gcagatatga 60
 accgatgggtt caagagctgt agacatacat acctagttt ccacactgat cttcttagta 120
 taaaaaaaaaca agcggttacta agaaacatct actttcagca aatggacatg accagaatga 180
 tacatagaat gatgcaagaa atttcactct accattcatt ttaatcttta cagtaacagg 240
 atgattgcta tctcaatctg tcattttacc ttttttttt ttttcagaag ttaaagtgtta 300
 tccatacaag ttcaacttaa cattgttaag tgcaaagtta acagtgtaca ctttggagat 360
 accttttag gtagaaaaatg attttttgtt ttctaataag ttttcccaag taatattaaa 420
 gaagggttaaa tatgtcattt acttggagaa aacagaaaaac catgagaaag tttgggaaaa 480
 tgctatattt cagagcttaa tatattgaaa cagtaagtaa gacaggaatt ggctaccctt 540
 taagaacgtt tacaaaaata caaactgann ggaatgcttt tggcaatnaa aatntgacnt 600
 gaaacattca atggcnnaac attcaanaan gnttnagana tcnttncctt tancatccaa 660
 natngtttg ncgnncntctc aaaaaantgt ntntttaaa aaanttaggg ntaaaanttt 720
 ctggagnntt nattaanctt ttttgnncc ctnaaatttt nnccnaaagt tcnttnanca 780
 aaaaaaaaaatn cttttttt 797

<210> 121
 <211> 828
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(828)

<223> n is a, g, c, or t

<400> 121

ttgggganCN	gcttgccaaN	tntacaggtg	gggtcttca	ccttcggcc	agaaaacataa	60
aatgcgatgg	agctacggcg	accgctgccg	agacaaaatg	gcgcggagaa	cctggtttag	120
cgcaggcgcc	ttggaaagac	cctgccccgc	ccccgtgcaa	gcccctggct	gcaattctgg	180
gttccgttgc	catggacac	tccgcccaca	atcctcgtgc	cgaactgctc	ttcctgaccc	240
ctcaattcac	caatcagtgc	ccagtcaagc	acatccggag	tcgtctctac	caatcatttc	300
tcaagacttg	cttactcaat	aaccaactct	ccaataacgt	tggtcttcgg	aaaaagccaa	360
tcataagtgg	aagatgtcct	acctgctgtt	tttcgcacca	atccatgaag	tttcagagct	420
acatccaatg	aggacggcag	gtagcgaggt	cctatccgaa	gctcttcggc	gtcatgaaca	480
gccaatagga	gttcgtgtag	aagcgagtct	gctcaacagc	ttgttatttg	gtggattgtg	540
gcagtaaatac	ggggcgagtg	gggaaccggg	cgcaggaact	gcagccgcgg	ttgggagtg	600
cgcacttnac	ccgcanttg	taggtggggg	agaggggaat	cnnggggatn	ctgaatggac	720
aaancggnan	cggcagcaan	tgntgnlgcc	cgggtncccg	tgcaantnga	aacntttggn	780
gtggggaaang	ggattctagg	caanggnccc	gcnanccna	aaaaaggc		828

<210> 122

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(842)

<223> n is a, g, c, or t

<400> 122

ttgggganCC	tagttgcca	antctacagg	tgggtcttt	caccttcttg	ccagaaaacat	60
aaaatgcgat	ggagctacgg	cgaccgctgc	cgagacaaaa	tggccggag	aacctggtt	120
agcgcaggcg	ccttggaaag	accctgcccc	gccccgtgc	aagcccctgg	ctgcaattct	180
gggttccgtt	tccatggac	actccgcccgc	caatcctcgt	gccgaactgc	tcttcctgac	240
ccctcaattc	accaatcgt	gcccagtcaa	gcacatccgg	agtcgtctct	accaatcatt	300
tctcaagact	tgcttactca	ataaccaact	ctccaataac	gttggtcttc	ggaaaaagcc	360
aatcataagt	ggaagatgtc	ctacctgctg	ttttcgcac	caatccatga	agtttcagag	420
ctacatccaa	tgaggacggc	aggttagcgag	gtccttatccg	aagctttcg	gcgtcatgaa	480
cagccaatag	gagttcgtgt	agaagcgagt	ctgctcaaca	gcttgttatt	tggtgattg	540
tggcagtaaa	tcggggcgag	tggggaaaccg	ggcgcaggaa	ctgcagccgc	ggttgggagt	600

ggtgctgccg ggacgggggc cccacggagg tcagagggga ggaggactct ggagctgaca 660
 gcgcgcaatt cacccgcagt tggtaggtgg gggagagggg aatcgaaaaannctgaatg 720
 gacaaancgg cacgggnagc aantgntgnt gcccnngggt cccggngcaa ttggaaanctt 780
 ttggaggtgg gggnanggna ttctagccaa nggccccnnnc nagccaaaaaa aaangggncc 840
 nc 842

<210> 123
 <211> 815
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(815)
 <223> n is a, g, c, or t

<400> 123
 ttgggnaacc gagcggntaa cttttcaca cagaaantcc caggctccat gcctgaatag 60
 ctgggactac aggacacacag aatcatgccc atctaccttt ttatTTTt tagagaagag 120
 gtctcaatat gatgccagg ttggtctcaa acacctgtac tcaagagatc ttcccacctt 180
 ggcctcccaa agtgcagct ttacaaatgt gagccactgt gggtgccat gaactcttcc 240
 aatgaccctt ttcaaaaaaa atattcaac tattcaatgt gagccaagga tgtgccagac 300
 atttgctaga tgctatgaat aaaatatgac aaagatttag tctttgtccc catggacttt 360
 atagtctagt agtagatgag actcataagt aatatctagc caaaaataaa aattactgta 420
 ttatggaga ataagaatat ggtactaatt tcttcagtgc caatgtatat cttttcatgt 480
 tcttggcctt tggattctca caacaattga tgaaaaatgt aacactggat ttgagttgt 540
 agtcttattt tccaaacatga tgaagttgtt attaagtgtg agatgatcaa gggagactca 600
 ggaaggcgtg ggtaacctca gctaaaagca aacagatagt atattggaaatgatggtaaa 660
 caaagagagc aaagcttat gaatctggc taaaantcag ctataagtt tcgcanatcc 720
 angagaacct tncaacagnt tncaattgaa anccttnag tttttaaann cctnttttn 780
 caaantgnnc aaannnttaa caggnttgnna atncc 815

<210> 124
 <211> 823
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature

<222> (1)..(823)

<223> n is a, g, c, or t

<400> 124

ggnnttgcga	gcggnntaaca	atttcacaca	gáattcaaac	tccagctta	ctaccctgtg	60
accttggca	ggtcacttca	catttctca	gctggttcc	agtctggctg	cctttgggaa	120
ggggacctgg	gtttcagga	agaaaacttc	cttacactga	ataattattg	ccttgtaga	180
aatttttac	catgtcaca	tattacttt	cctaaatatt	tgcacccaat	ttaattgatt	240
taattgggaa	aaaatgaaca	tagaaaaat	aatgacctct	tcctcagggt	tataaaagg	300
tttcaaaata	aagtatgtag	ctagtaaagg	tgcatagtat	atgcttaatc	aatagagtgg	360
tgacagggtg	gagggaggtg	ggaggcagge	tcattcctgc	cctggggccc	agaggagaac	420
atgtggtaca	gaagtcccag	cctacagcca	gctcctagca	ttaaggcagg	tgcccatattca	480
gctagagcct	canggggtg	cnagttgagg	gagctgctcc	tancctggnc	cccatgcct	540
tnctttgtg	gtggancctt	aagaagccn	tttcctgan	naannctgg	gnntananaa	600
ttcacctttg	ncaattncca	agnncccggn	gnaattntcc	ntnttggng	aaaccnntn	660
nnttaaggg	tgnntntng	ggatnngnac	cnnnnntttg	gggcncnccc	ngnttttnn	720
ttttnttnn	aaannccnnn	aaaanaaaaa	aaaaanntnn	gngncnnnaa	anncccccnn	780
ggggggggaa	aaaaaaaaaa	anttttccc	cccccccccnc	cnc		823

<210> 125

<211> 691

<212> DNA

<213> Cercopithecus aethiops

<400> 125

cctaatccac	caaccccaa	ctactatagt	gggagcctga	ggtcacagca	tggccccc	60
gtgttgtag	aaaaatctcc	acaggattct	cccaactgtt	cctaagtgtg	ctctgggatc	120
ctccgtgact	agtgtggaat	tttgagccag	tgatttctcc	ccacaggtt	caattaaatc	180
atctgtcaa	tgaggatgac	cacatttct	ttacctcacc	actgagctgt	gaaatgaacc	240
agaggccta	cctttcccc	ctgaactccc	agtcatccct	ggaacaccaa	tttgaacatc	300
atctccact	ttcccagcca	gttagcagct	ctgtcctctg	gattcaaag	agaaatgtct	360
ctagcatcat	ccctgtttcc	ttgcaactgtc	ctactttctt	tttccccca	gagccaggaa	420
tgtcttaaac	agaatgagat	gtccccaaagg	ggccaccaac	tcacaattag	gagttcaata	480
aatactgact	taagagtgaa	tgaacgatcc	ccgtgtctt	gtccacattt	gtacatgctt	540
acatgattct	gcaaagaatc	taaatttctc	tttacattaa	caaacaaggg	ggctggcat	600
ggtggctcat	gactgtaatc	tcagcatttt	tgttaaccag	gacagtcctg	atgaaataac	660
tggaaagtt	ccttttggg	gggtggggtg	g			691

<210> 126
<211> 748
<212> DNA
<213> Cercopithecus aethiops

<400> 126
ccatcgccctt actattgcct tcttgacgag ttcttctgag cgggactctg gggttcgaaa 60
tgagctagcc cttaagtaac gccatttgc aaggcatgga aaaatacata actgagaata 120
aaaaagttca gatcgaggc aggaacagat ggaacacagggt cgaccggctcg accggctc 180
ccttagagaac catcagatgt ttccagggtg ccccaaggac ctgaaatgac cctgtgcctt 240
atttgaacta accaatcagt tcgcttctcg cttctgttcg cgcgcttctg ctccccgagc 300
tcaataaaaag agcccacaac ccctcaactcg gggcgccagt cctccgattg actgagtcgc 360
ccgggtaccc gtgtatccaa taaaccctct tgcagttgca tccgacttgt ggtctcgctg 420
ttccttggga gggcttcctc tgagtgattg actacccgtc agcgggggtc tttcagcagg 480
ccccggggcc acagaaggaa aacatctcg tggaatgtgg aaatgcagaa ctctactggg 540
cccggtttaga aagcacagaa aagcatggaa gaaagggaga ggcgagaagc ctagaaaatt 600
accctagatc ttaggtatgg atatatcgac ctaaaaagaaa gaagatgggg caaagttaat 660
gcaagcagag agtttatttg gggtaagct tgaggattgc accccaggag catagattca 720
agttgccctg aatttacact gattagca 748

<210> 127
<211> 708
<212> DNA
<213> Cercopithecus aethiops

<400> 127
gccaaaccta cagggggggt tctttcaactg ccagtcagcg aaccgcgaag ccggcaggca 60
cttcggcggt ctccagcctt tgcctgaaaa gagctcgca agctagctag aggtcagacc 120
ccaggaccca gtcgttttag ctcagggaaa ggaagcgccg gacgccagcc tgcaagcttc 180
actgcgcagc cgtggacacc gccccacgtc gttagggccgt ggaccctgac aacgcccggaa 240
cccgccgtcc ggtgcgtgcg cttggcggac cagaatggct aacgtaccgc catgccgcga 300
ggcccacgta gaggcggaag ttgatggac ggacgcagat' gggggAACCT tgcctcgatg 360
gcactttctt gtccgcact ccgcggcgc cagagggct aggctccggg tttcaagatg 420
gaggcgctga gtcgagctgg gcaggagatg agcctggcgg ccctgaagca acacgaccct 480
tacatcacca gcatcgacca cctcacgggc caggttgctc tgtacacctt ctgccccaaag 540
gccaaccagt gggtgagtgc cgcctggctc tgaggacggc cgcccgccg ctgcggctc 600

PORTUGAL / ポルトガル

ttaaaggggc cgtgcgtgtt gctgtgggt gggggacaca gcaagagcca gggaggtgaa 660
gacggggcca gggactgccc agaagccgac cagaaccaga ggggttgt 708

```
<210> 128
<211> 741
<212> DNA
<213> Cercopithecus aethiops
```

```
<220>
<221> misc_feature
<222> (1)..(741)
<223> n is a, g, c or t

<400> 128
taacaatttt cacacagaaa ttcaatccaa caaacaanta catattattt tctaagttgt 60
aaaggcctgta accgaatgag ttaatttagga agggtaatt acaagaaaagt gggaaattat 120
gctagttgtt tttaaacaac taacaaagct tcaagcaggg gctaacgaga atcagtgaac 180
agactgaatg taactttcg gaccctctcc agtgcacgaa aagccagaaa gtactgagtc 240
tgaggggaac attcagagat gacatcacca gcatcatagg tggaacaaaa cacattaca 300
gggtctctct tgtttgtaca aaggcttcg gggatctagt gaacatggaa gccctttcc 360
taagtgcctt gaaatcttt ccgaaaactgt gtagttcgat taaagccgga cccaccgcac 420
tcccccttcc aagaatcgaa actaatttgg a ttttaagctt taaatccaaa tgacctctga 480
gaaaggggct ctcatttacg tctgccgggg gagaggagga gtgtttattt tatagacaat 540
gtatatgcaa ttatctaattt aatccgcaaa gcctcaaaca caagcttca ggcactctt 600
tgaccccccacc ggtctcataa ctcccaatgt atctgcaaag aaggcaggtc gcccacgtcc 660
ccaaacccga cgccaaggga ctgatcctgc tccaaatcctc cctcaactggc ttttccttgg 720
ggatgtgtnc agccccacttc t 741
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<210> 129
<211> 694
<212> DNA
<213> *Cercopithecus aethiops*

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<220>
<221> misc_feature
<222> (1)..(694)
<223> n is a, g, c or t
```

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<400> 129
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gcacttcggc ggtctccagc ctttgcctga aaagagctcg gcaagctagc tagaggtcag 120
accccaggac ccagtcgttt tagtcaggg aaaggaagcg ccggacgccca gcctgcaagc 180
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ttcactgcgc agccgtggac accgccccac gtcgtaggc cgtggaccct gacaacgccg 240
 gaacccggcg tccgggtgcgt gcgcttggcg gaccagaatg gctaacgtac cgccatgccg 300
 cgaggcccac gtagaggcgg aagttatgg gacggacgca gatggggaa cttgcctcg 360
 atggacttt cctgtccgcg actccgcccc cgccagaggg gctaggctcc gggtttcaag 420
 atggaggcgc tgagtcgagc tggcaggag atgagcctgg cggccctgaa gcaacacgac 480
 ctttacatca ccagcatcgc agacctcacg ggccaggttg ctctgtacac cttctgcccc 540
 aaggccaacc agtgggttag tgccgcctgg ctctgaggac ggccgctccg gccgctgcgg 600
 tctcttaaag gggccgtgcg tttgtgtg ggggtggggg cacagcaaga ggccagggga 660
 ggtgaagacg gggccaaggg actgncaaaa agcc 694

<210> 130
 <211> 678
 <212> DNA
 <213> Cercopithecus aethiops

<400> 130
 cccttactg ccagacagcg aaccgcgaag cggcaggca ttccggcggt ctccagcctt 60
 tgctgaaaaa gagctcgca agcttagctag aggtcagacc ccaggaccca gtcgttttag 120
 ctcaggaaaaa ggaagcgccg gacgcccagcc tgcaagcttc actgcgcagc cgtggacacc 180
 gccccacgtc gtagggccgt ggaccctgac aacgcggaa cccggcgtcc ggtgcgtgcg 240
 cttggcggac cagaatggct aacgtaccgc catgcgcga ggcccacgta gaggcggaaag 300
 ttgatggac ggacgcagat gggggAACCT tgccctcgatg gcactttcct gtccgcgact 360
 ccgccccccgc cagagggct aggctccggg tttcaagatg gaggcgctga gtcgagctgg 420
 gcaggagatg agcctggcgg ccctgaagca acacgaccct tacatcacca gcatgcgaga 480
 cctcacgggc cagttgctc tgtacacctt ctgccccaaag gccaaccagt gggtgagtgc 540
 cgcctggctc tgaggacggc cggccggccg ctgcggcttc ttAAAGGGGC cgtgcgtgtt 600
 gctgtgggtt gggggacaca gcaagaggcc agggaaattt aagacggggc caaggaaact 660
 ggccgaaaag ccaagcca 678

<210> 131
 <211> 712
 <212> DNA
 <213> Cercopithecus aethiops

<400> 131
 cccgcccagcc tacaggtggg gtcttact gccagtacag cgaaccgcga agccggcagg 60
 cacttcggac ggtctccagc cttgcctga aaagagctcg gcaagctac tagaggtcag 120

acccccaggac ccagtcgttt tagctcaggg aaaggaagcg ccggacgcca gcctgcaagc 180
 ttcactgcgc agccgtggac accgccccac gtcgtcgggc cgtggaccct gacaacgccc 240
 gaacccggcg tccggtgct gcgcttggcg gaccagaatg gctaacgtac cgccatgccg 300
 cgaggcccac gtagaggcgg aagtttatgg gacggacgca gatggggaa cttgcctcg 360
 atggcacttt cctgtccgcg'actccgcccc cgccagaggg gctaggctcc gggtttcaag 420
 ttggaggcgc ttagtcgagc tggcaggag atgagcctgg cggccctgaa gcaacacgac 480
 ctttacatca ccagcatcgc agacccacg ggccaggtt ctctgtacac cttctgcccc 540
 aaggccaacc cagtgggtga gtgccgcctg gctctgagga cagccgcccc gccgctgcgg 600
 tctcttaaag gggcccggtc gtgttgcgtt ggggggtgggg gaacacagca agaggccagg 660
 ggaggtgaag accggggcca gggacctggc gaaaagcccg aaccagaagc cc 712

<210> 132

<211> 738

<212> DNA

<213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(738)
 <223> n is a, g, c or t

<400> 132
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 acttcggcgg tctccagcct ttgcctgaaa agagctggc aagctagcta gaggtcagac 120
 cccaggaccc agtcgttttta gtcagggaa aggaagcgcc ggacgccagc ctgcaagctt 180
 cactgcgcag ccgtggacac cgcggcacgt cgtagggccg tggaccctga caacgcccga 240
 acccgccgtc cggtgcgtgc gcttggcgga ccagaatggc taacgtaccc ccatgccg 300
 aggcccacgt agaggcggaa gttgatggga cggacgcaga tgggggaacc ttgcctcgat 360
 ggcactttcc tgtccgcgac tccgcggccg ccagaggggc taggctccgg gtttcaagat 420
 ggaggcgctg agtcgagctg ggcaggagat gagcctggcg gccctgaagc aacacgaccc 480
 ttacatcacc agcatgcgcag acctcacggg ccagggttgct ctgtacacct tctgccccaa 540
 ggccaaccag tgggtgagtg ccgcctggct ctgaggacgg ccgcggcc gctgcggct 600
 cttaaagggg ccgtgcgtgt ttgctgtggg gtgggggaca cagcaagagg ccagggaggt 660
 gaagacnggg gccaggggnac tggcgaagag ccgagccaaa gccagagggg tgtcgggtcc 720
 acctggaaat tggggaa 738

<210> 133

<211> 757

<212> DNA

<213> Cercopithecus aethiops

<400> 133

cgccaaacct acaggggggg tcttcactg ccagacagcg aaccgcgaag ccggcaggca	60
cttcggcggt ctccagcctt tgccctgaaaa gagctcgca agcttagctag aggtcagacc	120
ccaggaccca gtcgttttag ctcagggaaa ggaagcgccg gacgccagcc tgcaagcttc	180
actgcgcagc cgtggacacc gccccacgta gtagggccgt ggaccctgac aacgcccggaa	240
cccgccgtcc ggtgcgtgcg cttggcggac cagaatggct aacgtaccgc catgccgcga	300
ggcccacgta gaggcggaaag ttgatggac ggacgcagat gggggAACCT tgccctcgatg	360
gcactttcct gtccgcgact ccgcggccgc cagagggct aggctccggg tttcaagatg	420
gaggcgctga gtcgagctgg gcaggagatg agcctggcgg ccctgaagca acacgaccct	480
tacatcacca gcatcgacaga cctcacgggc caggttgctc tgtacacctt ctgccccaaag	540
gccaaccagt gggtgagtgc cgccctggctc tgaggacggc cgcccgccg ctgcggcttc	600
ttaaaggggc cgtgcgtgtt gctgtgggt gggggacaca gcaagaggcc aggggaggtg	660
aagacgggggg ccaggggact ggcgaagagc ccgagccaga gccagagggg tgtcgggtcc	720
acctgggatt gggggatag gaagtgagaa gaagtgg	757

<210> 134

<211> 668

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(668)

<223> n is a, g, c or t

<400> 134

ccagcctaca ggggggggtt ctttcactgc cagtacagcg aaccgcgaag ccggcaggca	60
cttcggcggt ctccagcctt tgccctgaaaa gagctcgca agcttagctag aggtcagacc	120
ccaggaccca gtcgttttag ctcagggaaa ggaagcgccg gacgccagcc tgcaagcttc	180
actgcgcagc cgtggacacc gccccacgta gtagggccgt ggaccctgac aacgcccggaa	240
cccgccgtcc ggtgcgtgcg cttggcggac cagaatggct aacgtaccgc catgccgtga	300
ggcccacgta gaggcggaaag ttgatggac ggacgcagat gggggAACCT tgccctcgatg	360
gcactttcct gtccgcgact ccgcggccgc cagagggct aggctccggg tttcaagatg	420
gaggcgctga gtcgagctgg gcaggagatg agcctggcgg ccctgaagca acacgaccct	480
tacatcacca gcatcgacaga cctcacgggc caggttgctc tgtacacctt ctgccccaaag	540

gccaaccagt gggtgagtgc cgccctggctc tgaggacggc ccgccccggcc gctgnccggtc 600
 ntcttaaaag gggcccganc gtgtttgctg tgggggtggg gggacncaag caagaaggcn 660
 cagggagg 668

<210> 135
 <211> 752
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(752)
 <223> n is a, g, c or t

<400> 135
 gcttgccaaa cctacagggg gggtctttca ctgccagaca gcgaaccgcg aagccggcag 60
 gcacttcggc ggtctccagc cttgcctga aaagagctcg gcaagctagc tagaggtcag 120
 acccccaggac ccagtcgttt tagtcaggg aaaggaagcg ccggacgcca gcctgcaagc 180
 ttcactgcgc agccgtggac accgccccac gtcgttagggc cgtggaccct gacaacgcgc 240
 gaaccggcgc tccggtgcgt gcgcttggcg gaccagaatg gctaacgtac cgccatgccc 300
 cgaggcccac gtagaggcgg aagttgatgg gacggacgca gatggggaa cttgcctcg 360
 atggcacttt cctgtccgcg actccgcacc cggccagaggg gctaggctcc gggtttcaag 420
 atggaggcgc tgagtgcgac tgggcaggag atgagcctgg cggccctgaa gcaacacgac 480
 ctttacatca ccagcatcgc agacctcactc ggcaggttg ctctgtacac cttctgcacc 540
 aaggccaaacc agtgggtgag tgccgcctgg ctctgaggac ggcgcggc cgcgtcggt 600
 ctcttaaagg ggccgtgcgt gttgctgtgg ggtggggac acagccagga ggccaaggga 660
 ggtgaagacn gggccaggg actggcgaag agccgagcca ganccagagg ggtgtcggt 720
 tcacctggga ttggggata ggagtgagag aa 752

<210> 136
 <211> 739
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(739)
 <223> n is a, g, c or t

<400> 136
 ctttcaactgc cagnacagcg aaccgcgaag ccggcaggca ctccggcggt ctccagcctt 60
 tgcctgaaaa gagctcggca agcttagctag aggtcagacc ccaggaccca gtcgttttag 120

ctcaggaaaa ggaagcgccg gacgccagcc tgcaagcttc actgcgcagc cgtggacacc	180
gccccacgtc gtagggccgt ggaccctgac aacgccggaa cccggcgtcc ggtgcgtgcg	240
cttggcggac cagaatggct aacgtaccgc catgccgcga ggcccacgta gaggcggaaag	300
ttgatggac ggacgcagat gggggAACCT tgcctcgatg gcactttcct gtccgcgact	360
ccgccccccgc cagaggggct aggctccggg tttcaagatg gaggcgctga gtcgagctgg	420
gcaggagatg agcctggcgg ccctgaagca acacgaccct tacatcacca gcatcgcaga	480
cctcacgggc caggttgctc tgtacacctt ctgccccaa gccaaccagt gggtgagtgc	540
cgccctggctc tgaggacggc cgcccgccg ctgcggtctc taaaaggggc cgtgcgtgtt	600
gctgtggggt gggggacaca gcaagaggcc agggaggtga agacggggcc agggactggc	660
gaagagccga gccagagcca gaggggtgtc gggccacact gggattgggg gatagggtg	720
agagaagngg ctgganaat	739

<210> 137
<211> 707
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(707)	
<223> n is a, g, c or t	
<400> 137	
gccaaaccta caggtggat ctttcaactgc cagacagcga accgcgaagc cggcaggcac	60
tccggcggtc tccagcctt gcctgaaaag agctcgccaa gctagnttag aggtcagacc	120
ccaggaccga gtcgttttag ctcagggaaa ggaagcgccg gacgcagcc tgcaagcttc	180
actgcgcagc cgtggacacc gccccacgtc gttagggccgt ggaccctgac aacgccggaa	240
cccgccgtcc ggtgcgtgcg cttggcggac cagaatggct aacgtaccgc catgccgcga	300
ggcccacgta gaggcggaaag ttgatggac ggacgcagat gggggAACCT tgcctcgatg	360
gcactttcct gtccgcgact ccgccccccgc cagaggggct aggctccggg tttcaagatg	420
gaggcgctga gtcgagctgg gcaggagatg agcctggcgg ccctgaagca acacgaccct	480
tacatcacca gcatcgcaga cctcacggc caggttgctc tgtacacctt ctgccccaaag	540
gccaaccagt gggtgagtgc cgccctggctc tgaggacggc cgcccgccg ctgcggtctc	600
taaaaggggc cgtgcgtgtt gctgtggggt gggggacaca gcaagaggcc agggaggtga	660
agacggggcc agggactggc gaagagccga gccagagcca gaggggt	707

<210> 138
<211> 818
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(818)
<223> n is a, g, c or t

<400> 138
tcacacagaa ttcagnaaag cacagctgtc taggcgtttg gtcctgaca aatggttgcc 60
tgcccctcac ctcaccagcc tctccagaca cctctgcata acacagcaact gatgaccgccc 120
tcccagccca acacccactc tgcttactct gtgccgcccag gctctgattt tgtttggag 180
gtaaaagtgtc cagccccaaactggccaaa cttggccctc atcatcccat tcctccttgc 240
cagtggttta tcttaggaata gatatggggc cctgttcagg tcagtgaaat gtaagggtga 300
gttagttcag gaatttctga gaaagattct cctctgtat aaagcagaga gtcacatgac 360
tagaaaaatct ttttgttgtt gttgttgtt taccaccacc ctttccttcc tgctttggaa 420
atcggttat gatgtgatgc ctggagctgt ggcagctgtt ttatgaccat gagagaaggc 480
ttctccagtg tgcttaggatt caggggagga aatacagaat gaatgtcagc cctcgatgac 540
actgccgagc cctaaaccaa ctctgagaat ttaagacttt ttgttctgtat agaaatgaga 600
tttattttatt gtttaagact ctgttgggtt ttctgttatac tgtggcccan aatattttaa 660
ataatataat ttcttttgc aataatacat ctcagatgga cattcccaa agtctaagac 720
tttgagagaa gtcatctctg aagagccaag cattcataat tagaaacttg gccaggtgca 780
gtggctcacg cctgtgatcc cagcacccat ggaggccca 818

<210> 139
<211> 581
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(581)
<223> n is a, g, c or t

<400> 139
cacacaatt agnnccaggc atcctcctgg tggttcctgt accagtcctc gatcacctcc 60
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cagcacctta ctcactccta gaggagctca gctaaaggcctt gcaaccact gcaaggtagt 180
ggcagtgggtt cacctaagga aactgaggct agagaggtga aatgacgtga ccaaagccac 240

cctggcctgg gtggccctcc tcagagcaga cccaatcccc accggcccct cactggcac 300
agcaaccctt ccaaggcgtg aagggcctgt acctgcttct tgaggtcagc cacctctgca ,
360
gaagtctcgta tccacagctc atagggatg tccatcacca ctttgacccc tttgtgtacc 420
agggtgtgtat atgtctcaaa ggtctctgac atgcctgga agaagcgacc agacatggga
480
ggcagagctc ctttcctcc ctcctaccct cctctccctag tggggcctat gaactcagct 540
gtaaagaccaa tgcccaatgc cctctgagga tcctcaaacc t
581

<210> 141
<211> 737
<212> DNA
<213> *Cercopithecus aethiops*

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<220>
<221> misc_feature
<222> (1)..(737)
<223> n is a, g, c or t

<400> 141
acacagaatt cttaactttaat acatataaaac agaacatttc taggtcagtg aacaaaaata      60
taacctgaat cataaaaaca gagttataac tcctccatca atttccagac atcagccagt      120
ttacaaatcc agaaccctt aaatgaagaa caagcttgat gcccttgagg aagggcccta      180
gtacactgcc caaaaatctgt acatTTAATT ttccTCCtAA TCTTCCCaaa agggacatAT      240
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gtcctttac cagtgaaact gtcattgg gtaattaaaa ataatcaaata caggtactac 300
 tggaccctgg ctacgaactg atgcaaattc caggagacct aacatgccat ggtggtccac 360
 aaagacagtg cttatggaa tcaggtgatc catggagttt taagttgggt ccaactcaca 420

tttgaataaa tatactcatg ctgacagaat ctccataatg gttccctgac ctgtaaagtg 540
 aggtgcatta tggggtaa tggcaaattgg aagccagtag aaacacctct atctaggaaa 600
 aatagtaaag caaatgcaat atttcatct ccgtagggat tgcaagacatt agttgccacc 660
 atcaagggct tgaaaaatga ccaggggtg attcccacca acattctnca ttcagctttg 720
 tctatnnggg ccttgcc 737

<210> 142
<211> 768
<212> DNA
<213> Cercopithecus aethiops

<400> 142
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 tctgaatcca caagtgatgg acacatgaat ctactactac tgttctctt tcttctttt 120
 ccgtctttct ctcccttccc acccctagtt cctgacgttt gcctactcta tcatgtctgc 180

 agtgttgcattt accactctgc atcctcatct gtctgagaca cattcaacca ctaggtcctc 300
 agctgcttca ctgctgcctg atgttctttg aagtccagta taagagagaa cattctatTTT 360
 tgctaaaact aaaagactac ctttatctt tgctgagaat atgtaaagaa aaggggaatg 420
 actagatcag aaggcttattt ctgaggtata tagtaatgtt aattttaaa taattgttag 480
 gtgttcttct tcattaggtt ttcacccatca gtttccaag actatggaaa gcaccattgg 540
 tgcattgtatgta taacagcagc ttgactcaga cgtagaactg cagccaggac ccatctgttc 600
 cccattactc cctgctgcca gtttgcac cagaacctag gagtgattta tccccatcctc 660
 aattttgctc aggactcagc agaagaagga tcctggacca caagactttt cagtggtttc 720
 aaacttggga gagttctttg gcaatgcaca gggttgaccc atgaactg 768

<210> 143
<211> 450
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(450)
<223> n is a, g, c or t

<400> 143
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 caatttcaga gcctactatt ggtctattca gggatctcaa ctnccctcg gcttttagtct 120
 tggaagagtg taagtgtcca ggaaatctat ccatcttctt ctagatttgc cagtttatn 180
 cgcgcagagg cgttcacagc agcctctgat gtagttcga atttctgagg ggncggcgg 240
 gatatcccct ttatcattnt naatngcgn ctnagacnc ttctctcttn tcttcttata 300
 aagcactcng ctagccggcc ngccaatntc gnngangctt ntcaaaaaac caactcctgg 360
 attcatcgat tncnntggag ggtctnttg ngtctctatc tccttcagtn actgcnctga 420
 tcttagnata tttcntgcn tctgctagct 450

<210> 144
 <211> 729
 <212> DNA
 <213> Cercopithecus aethiops

<221> misc_feature
 <222> (1)..(729)
 <223> n is a, g, c or t

 <400> 144
 cacacagaat tacccctttc gccttccaag gggaaaccag gccactttgc tcttcttggg 60
 gaaggaggat aattgtccag tgctgggagg tgacagcagc tactgccagc acgagggtggg 120
 gcccctgcag tgtggttcct caggtctgag aggggttccc tctgccttcc tccctcctgc 180
 tcccccttcc tcttcctct acctgtttt tccttctctc acatctctcc tgcttccca 240
 caatccctga catttactgc aggctcccga agagccatga cactttatac cctcaacctc 300
 attttaattct cagggaaaccc cacaaggccg tgcaattctc accccaggta ccaagtgagc 360
 cagttcaggt gcacagagac tgcccccttgc ccagagatcc tagcacgagg gctctgtact 420
 gtttagggtc tccagagaaa cagctccaat agaatgtgca gatgctgggt gcagtggctc 480
 accccctgtaa tcccagcact ttgggaggcc gagggcggcgt gatcatgagg tcaggagatc 540
 gagaccatcc tggctaacac ggtgaaaccc catctctact aaaaatacaa aaacattagc 600
 cggggccgtgg tggcgggncc cctgttagtcc cagctacttg ggaggctgag ggcaggagaa 660
 tggcatgaag ccganaggca nagcttgcag tgagccaaga tcacatggca ctccaaacctg 720
 ggcgacaaa 729

<210> 145
 <211> 755
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(755)
 <223> n is a, g, c or t

<400> 145
 aacaattttc acacagaatt acctggtctc aaagtgtatc ctccatgctt cggcctccca 60
 aagtatgtg attacaggag tgaccaccc tgcccggccc tctagcttat ggtggaaagct 120
 taaaataatca gtttagaca tttcttcttc cttttttcc caagaaacag ggtcttgctc 180
 tgccaccac gctggaatga agtggtgcaa tcatalogtga ttgcaacctc aaactcctta 240
 actcaatcaa tcctcccacc tcagccttcc aaatagctgg gactacagtg cgtaagccac 300
 cgcacctggc ctcttcttcc taatataagt attaatatt ataaaatttc ctctaagatc 360
 taaacactgc tttagctgca actcacaat tttgatatgt tgtatTTTA tttatatccc 420
 attaaaaata cagtatttgt tcccgtgtga tttcttctt gacccatggc tttagaagtgt 480
 gttgttagt ttccaaattt gggggcattt tccagatatc tttcttctt tttatgtaa 540
 tttatattctg ttgtggtcga ggagcacgtt ctgtttgctt acaatcctcg taaatttatt 600
 atgacttgtt ttatggccca gcatagggtc tgTTTggcga gtgtccatg tgcatactgaa 660
 aagaatgtgt attctgttagt tgtgcagggt atttttaaaa ttttattctt ttcactgana 720
 caaaaatagct gtncatattt agagggtaca tgcga 755

<210> 146
 <211> 795
 <212> DNA
 <213> Cercopithecus aethiops

<400> 146
 ctaccagtat atacaaagaa aagctcgta cattcatgct gaaactactc caaaaagttg 60
 aggagaagga aatcctccct agcttattct acaaagctag catcacactg ctacaaaaac 120
 ctgacagagt cacaacaaca aaaatttcag acatataattc ttgatgaaca ttgatgcaaa 180
 gtagtcaaca aaataacttgc aaaccaaatt cagcagcaca tcaaaaagct tatccatcat 240
 gatcaagtag gctttatccc tgggatgcaa ggttggttca acatctgcaa atcaataaat 300
 gtgattcatc acataaatac cactaaagac aaaaaaaccatc catgattatc tcaacagatg 360
 cagaaaaggc ttttgataaa atccaataacc ctttcatgtt aaaaactctc aataaaacttag 420
 gtattgaagg aacatacctc aaagtaataa gaaccaccta taaaaaaccac acagccaaaca 480
 tcataattgaa tggcaaaaag ctggaaagcaa tcccccttgaa aactggagga agacaagaat 540
 accctttctt accactccta ttcaacataa tattggaagt cctggccagg acaaggcaggc 600

aagagaaaaga aagaaaggca tcccaatagg aagaaaggga agtcaaacta tccctgtttg	660
cagacaaaat gatcctatacg ctagaaaccc catagtctca gcccaaagct tttaagctga	720
taaacacttt cagcaaggct cagcatacaa aatcatgtgc aaaagtcagt acattttgta	780
caccaccaac agtca	795

<210> 147
<211> 704
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(704)	
<223> n is a, g, c or t	
<400> 147	
gcatcctccc tcctcggcct gggcgtggc tcgaaaaacg ctgggattcc cggtattaca	60
ggcgggcgcg ccacgccagg agcaaacact tdctgcttta aaaattcagt gttgtgattg	120
gctgccattc agcattatgc taattaagca tgccgtttt tttaagctt cttaaaacaa	180
tttttaaaaa ttccgttcc acctaaaacg ttaaaaatttgc tcaagtgata atattcgaga	240
agatgttgc ttccgttcc acctaaaacg ttaaaaatttgc tcaagtgata atattcgaga	300
tatctcgcca ttagttaaa gttggcagca gatgtagacc ccgcagaggc tgcgagtggg	360
ctgttaagac tatactttca gggatcattt ctatagttt ttactagaga agttctct	420
gaacgtgtag agcacccaaa accacgagga agagacgtag cgtttctcc tgagcgtgaa	480
gcgggcgttt ggtgttgctt cgctgcaact gccatcagcc attgatgatc gttctct	540
ccgctttgga gagnaagagg gagagaacgc ggtctgagtg gttttcttt tttgcgnngt	600
tagaacgaca gactgtacag cgaccgtntc ccggcttgnc tntgtgcttg nntgnccncc	660
ngaggccnaa gngagttgcc ttatTTTtt tcacnanccg ntgt	704

<210> 148
<211> 650
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(650)	
<223> n is a, g, c or t	
<400> 148	
atcgcccttc atcgcccttc tgacgagttc ttctgagcgg gactctgggg ttcgaaatga	60
gctagccctt aagtaacgcc attttgcaag gcatggaaaa atacataact gagaatagaa	120

aagttcagat cgaggtcagg aacagatgga acagggtcga ccggtcgacc ggtcgaccct 180
agagaaccat cagatgttcc cagggtgccc caaggacctg aaatgaccct gtgccttatt 240
tgaactaacc aatcagttcg cttctcgctt ctgttcgcgc gcttctgctc cccgagctca 300
ataaaaagagc ccacaacccc tcactcgggg cgccagtcct ccgattgact gagtcgccccg 360
ggtaccctgt tatccaataaa accctcttgc agttgcattcc gacttgtggc ctcgctgttc 420
cttgggaggg tctcctctga gtgattgact acccgtcagc ggggtcttt cagtttaagac 480
tatactttca gggatcattt ctatagtttgc ttactagaga agtttctctg aacgtgtaga 540
gcaccgaaaa ccacgaggaa gagacgttagc gtttctcct gagcgtgaag cggcgcttg 600
gtgttgcgttc gtcgtactgc catcanccat tgatgtatcg tttntntccg 660

<210> 149
<211> 671
<212> DNA
<213> *Cercopithecus aethiops*

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<220>
<221> misc_feature
<222> (1)..(671)
<223> n is a, g, c or t

<400> 149
aactttaact aatggcgaga taccttcgct attgccgatg ccatttagaa acaaatacgaa 60
aaatagtctg gcaacaacat cttctcgaat attatcactc gacaaattat aacgttttag 120
gtggaaacgg aactttaaaa aattgtttta agaagcggaa aaaaaacagg catgcataat 180
tagcataatg ctgaatggca gccaatcaca aactgaatct ccaaagcagg aagtgtttgc 240
tcctggcgtg gcgcgccccgc ctgtaatccg ggaatcccag cgtttagcga gcccacgccc 300
aggccgagga gggaggatcc tttgttccac gagatcgaca ccagcctagg caatatacgca 360
gaatccttgtt ggtgacggaa atgcctatc ttgagcttat caatgc当地 accccgggtca 420
tataacttta ttggatatca gtggggaaaa ctgagtaaaa ggtgcaaatg tataactcag 480
tataaaccgg aagaacgaaa cgcaaaacct accattctct gaaagaaatg ttttgtacat 540
atatttacac agaaacacat acatcatgat caaaaaatga catcattcgt aaaaaaaaaat 600
aacaaaaaagt gtaaaagaac ccattcgccccg gaaaggaagg gccctgtgag accggatccc 660
caaaaacccaaa c 671
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<210> 150
<211> 704
<212> DNA
<213> *Cercopithecus aethiops*

<220>
 <221> misc_feature
 <222> (1)..(704)
 <223> n is a, g, c or t

<400> 150
 tcattaacag cccactcgca gcctctgcgg ggtctacatc tgctgccaac ttttaactaa 60
 tggcgagata cttdcgctat ttccgatgcc attaggaac aaatagaaaa atagtttggc 120
 aacaacatct tctcgaatat tatcacttga caaattttaa cgtttaggt ggaaacggaa 180
 ttttaaaaaa ttgtttaag aagctaaaaa aaaacaggca tgcttaatta gcataatgct 240
 gaatggcagc caatcacaaa ctgaattttt aaagcaggaa gtgttgctc ctggcgtggc 300
 gcgcggcct gtaatccggg aatcccagcg ttttgcgagc ccacgcccag gccgaggagg 360
 gaggatcctt tgttccacga gttcgacacc agcctaggca atatagcaga attctgttg 420
 aaattgttat ccgctcacaa ttccacacaa catgagcgtc agacccgaa gaaaagatca 480
 aaggatctc ttgagatcct tttttctgc gcgtaatctg ctgcttgc当地 aaaaaaaaaac 540
 caccgctacc agcggtggtt tggttgc当地 atcaagagct accaactctt tttccgaagg 600
 taactggctt cagcagagcg cagataacaa atactgtcct tctagtgttag ccgtagttag 660
 gcccncact tcaagaactc tgttagcacccg cctacataacc tcga 704

<210> 151
 <211> 705
 <212> DNA
 <213> Cercopithecus aethiops

<400> 151
 gctatattgc ctaggctggc gtcgaactcg tggtaacaaa ggatcctccc tcctcgccct 60
 gggcgtggc tcgcaaaacg ctgggattcc cggattacag gcggcgc当地 cacgccagga 120
 gcaaacactt cctgctttaa aaattcagtt tgtgattggc tgccattcag cattatgcta 180
 attaagcatg cctgtttttt ttaagcttct taaaacaatt ttttaaaatt ccgttccac 240
 ctaaaacgtt aaaatttgc当地 aagtgataat attcgagaag atgttgc当地 caaactattt 300
 ttctatttgtt ttcctaattgg catcgaaat agcgaaagta tctcgc当地 catt agttaaaagt 360
 tggcagcaga tgttagacccc gcagaggctg cgagtggc当地 gttaatgaaa gacccaccc 420
 gtaggttgg caagctagct gaggatcggtt tcgc当地 tgcattt gacaagatg gattgc当地 480
 tggttctccg gccc当地 tggagaggct attcgctat gactggc当地 acacagacaat 540
 cggctgctct gatgccgccc tggtccggct gtcagcgc当地 gggc当地 ccggg ttctttgt 600
 caagaccgac ctgtccggc当地 ccctgaatga actgcaggac gaggcagc当地 ggctatcg 660

gctggccacg acgggcgttc cttgcgcacc tgtgctcgac gttgt	705
<210> 152	
<211> 673	
<212> DNA	
<213> Cercopithecus aethiops	
<400> 152	
tttcattaaac agcccactcg cagcctctgc ggggtctaca tctgctgcca acttttaact	60
aatggcgaga tactttcgct atttccgatg ccattaggaa acaaataaaaaaaatagtttg	120
gcaacaacat cttctcgaat attatcactt gacaaatttt aacgaaaaatgg gtggaaacgg	180
aattttaaaa aattgtttta agaagcttaa aaaaaacagg catgcttaat tagcataatg	240
ctgaatggca gccaatcaca aactgaattt taaaaggcagg aagtgtttgc tcctggcgtg	300
gcgcgccccgc ctgtaatccg ggaatcccag cgaaaaatggcga gcccacgccc aggccgagga	360
gggaggatcc tttgttccac gagttcgaca ccagcctagg caatatacgaa gaattcatct	420
cacagaggttta catctttccc ttcaagaagc ctttcgctaa ggctgttctt gtggaaattgg	480
caaaggata ttttggaaagcc catagagggc tatggtaaaa aaggaaatat cttccgttca	540
aaactggaaa gaagctttct gagaaactgc tctgtgttcc tctgaattctt ggaagaaaaac	600
aaacacatca ttcttgcctc caagagctta aatttctgtt tggcaattt atttataaaaa	660
acacaactta gcc	673
<210> 153	
<211> 709	
<212> DNA	
<213> Cercopithecus aethiops	
<220>	
<221> misc_feature	
<222> (1)..(709)	
<223> n is a, g, c or t	
<400> 153	
tttcattaaac agcccactcg cagcctctgc ggggtctaca tctgctgcca acttttaact	60
aatggcgaga tactttcgct atttccgatg ccattaggaa acaaataaaaaaaatagtttg	120
gcaacaacat cttctcgaat attatcactt gacaaatttt aacgaaaaatgg gtggaaacgg	180
aattntaaaa aaagttttta agaagcttaa aaaaaacagg catgcttaat tagcataatg	240
ctgaatggca gccaatcaca aactgaattt taaaaggcagg aagtgtttgc tcctggcgtg	300
gcgcgccccgc ctgtaatccg ggaatcccag cgaaaaatggcga gcccacgccc aggccgagga	360
gggaggatcc tttgttccac gagttcgaca ccagcctagg caatatacgaa gaattctgtg	420
tgaaattgtt atccgctcac aattccacac aacatgagcg tcagaccccg aagaaaaagat	480

caaaggatct tctttagatc ctttttttc tgcgctaat ctgctgcttg caaaaacaaaa	540
aaaccaccgc taccagcggt ggtttgtttg cncgggatca agagtctacc aacctcttt	600
ttacgaaagg tnactggct tcaggcagga gccgcanatt nccaaaataa ttggncctt	660
ccaagngnn anccgcnag gnttagggcc cncccaactt tcnaaggac	709

<210> 154
<211> 574
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(574)	
<223> n is a, g, c or t	
 <400> 154	
cctcggcctg ggcgtggct cgcaaaacgc tgggattccc ggattacagg cgggcgcgcc	60
acgccaggag caaacacttc ctgcttaaa aattcagttt gtgattggct gccattcagc	120
attatgctaa tnaagcatgc ctgtttttt taagcttctt aaaacaattt tttaaaattc	180
cgttaccacc taaaacgtta aaatttgtca agtgataata ttcgagaaga ttttttttgc	240
aaactatttt tctatggnt tcctaattggc atcggaaata gcgaaagtat ctcgcattt	300
gttaaaagtt ggcagcagat gtagaccccg cagaggctgc gagtgggctg ttaatgaaag	360
accccacctg taggtttggc aagcatagct gaggatcggt tcgcattttt gaacaagatg	420
gattgcacgc tggntctccg gcccctngng tggagaggct attcggttat gactggcac	480
aacagacaaa tcgggctgnt ctgatgccgc cgtgttccgg ntgttaagcgc aggggcggcc	540
cngtttcttt tttgnaaaga ccganctgta acgg	574

<210> 155
<211> 794
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(794)	
<223> n is a, g, c or t	
 <400> 155	
actccggaga tatgaggcct agctccatcc ttctttctt atcactcagt cattcaatct	60
ttgcttggaa tacatgaact aataattcc aatattacct gacatggatc cacttttaggg	120
aagacacaag atatgaaaga aaggataaaag tctgaaagtt agaagtaaca caactacaga	180

aaatagatta atgtggattg ttatagccat tcataacaatg acatcctcaa cgtcaaaacc	240
tttttgcact cttacagat tccacatcca agcagaattc tatttaatgt gctttctaac	300
aatcagattc ctgacaaaatg tgttcataaa gtaataaaag cagcaaaatc ttaaatgttt	360
tatactaaca tagtagacaa aatacaaata ctctgaacac taatatcaca gaaaccctta	420
aaaaaaaaatg tgaggggagg taataacata cctaatacaa atagaaataa ggaggaacct	480
ttgaggttg ctatgc'ttg aacgtgtccc caaggttcac atgttggaaa cttaatccct	540
gaagcaacag tcatgagaag tggcacctt aagaggttag taggtcacga gggctctgct	600
ctgccacatg aatggattaa tgcttattacc agaggagtgg ggaatgggtt ccagatagaa	660
gaccgagttt ggcctccctcc ttatntntcg ctctctngcc ttccgccttc taccatggga	720
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tgantaaata ccag	794

<210> 156
<211> 831
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(831)	
<223> n is a, g, c or t	
<400> 156	
cgcacatcgccct tctatcgccct tcttgacgag ttcttctgag cgggactctg gggttcgaaa	60
ttagctagcc cttaagtaac gccattttgc aaggcatgga aaaatacata actgagaata	120
aaaaagttca gatcgaggc aggaacagat ggaacagggt cgaccggtcg accggtcgac	180
cctagagaac catcatatgt ttccagggtg ccccaaggac ctgaaatgac cctgtgcctt	240
atttgaacta accaatcagt tcgcttctcg ctctgttgc cgcgcttctg ctccccgagc	300
tcaataaaag agcccacaac ccctcaactcg gggcgccagt cctccgattg actgagtgc	360
ccgggtaccc gtgtatccaa taaaccctct tgcagttgca tccgacttgt ggtctcgctg	420
ttccttggga gggtctccctc tgagtgattg actacccgtc agcgggggtc tttcaaggc	480
aactgacttt aaacttgccg tttgatttgt gacttttagaa agtagagtta actatattta	540
gcaatatgtc taagcatgtg catatcacct catgaaacgt gtgtgtgcac gagaaaagct	600
gcctccagta catatacata tgtatataaa cacacataca cacaagcata tatatgtatg	660
tatttcttgn aggaccagtc tcattgtata taatttcaag tgcaggttcc tgatctccan	720
ggatgcgtaa aagactcact gaagttngga agaaaantta nngctactat tntgttgng	780
atcncaccct tcaagttaa atttgatntg attattctta cngnttgcn g	831

<210> 157
<211> 637
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(637)
<223> n is a, g, c or t

<400> 157

caacctaaga	aaaactcaca	gccactttta	aaggcagtaac	acatgtataa	agtatagttt	60
ggatcctttt	gtacacagct	cctgaaagag	agaaaattttt	ttttcaccta	ccgacagaca	120
tattggaagg	ctgctaataat	tctgactttt	acggactgta	ctcccttaa	cctgggtaca	180
taccataata	ttctttcagt	tgnccacagc	tatagataacc	cctagcataa	cacttcagga	240
ttcagaagac	gaatgtacct	ttctgtatct	taacctctct	actccacact	tcccacctct	300
aaaaaaacaa	caggccaaat	tctcagaacc	taaaaccaag	tcaagataaa	cactgctaata	360
acaataactga	cacttacata	tttacctggc	ataatctcta	ggattccacc	cacaacctaa	420
cagatcctaa	ctctctcata	gagngagaaa	atctgctaaa	atctgacaga	agtccaaatg	480
aatccttca	gatatatgtt	gcttgctaca	cactcagaaa	gnnaagttct	cggaacttga	540
aagctctctg	aaactnttac	cagnntacaag	angttncagc	nnatcacact	agcagcatgg	600
ntaanggcaa	accagagcag	ctaccggaan	attaaag			637

<210> 158
<211> 656
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(656)
<223> n is a, g, c or t

<400> 158

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aacataggaa	catcatttag	cctcttaagc	ttgaacatcc	attaagcggg	aaaaatagtg	120
cttatttcct	agaggtttgc	agacattggc	taaccaatag	ttntgattnt	gctggaaagc	180
aatgtgcaaa	ttttctttaga	tgtgatcgct	tcattttctc	ttacatttta	gattggcagc	240
agccaaatgg	gcgttccagc	ccctnatctc	ctgcaagatt	cttctcagtt	tcataaaatct	300
ggtaattttt	gagctttttt	cccaacaggg	tgctgcagct	caccaagtgg	aatctacaac	360

attttctgct accaggatag cagcttgcca gcaggatata ctgaaattac tgggttcag	420
tatgatgttgcgtgg tacga acntcaatca tncgaatcga catgcgccca gccattctca	480
taatgaaatgtntccttctc ctttcaacat gttccgcctt ccagcccccc atcctccnnt	540
tattatnttt ttctttcan nnaaaaagaag cttnagnaa acacnnaaac ctcttactcc	600
ctnttagngaa agaaaaacnt tctttccnnnt nctncntccc cttnngannc ncccta	656

<210> 159
<211> 654
<212> DNA
<213> *Cercopithecus aethiops*

<210> 160
<211> 683
<212> DNA
<213> *Cercopithecus aethiops*

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<400> 160
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.
tttcaatgca agtatggAAC actgtacatc actgaaaaaa acggggaaaa aaaaaaaagga 120
aaaagaggag aaccattgaa gaaAGCATAA aatAGCAGCT agctttctta cgtgtgctgg 180
aattgtgtct ttccgggttaa ccccaaattt tcctatgcta tacactcttc tcacattttg 240
gtcaataacta gcttctgaat tgGAAGAGGC attatcaatt gctttaaaat qttataccta 300
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aaataaaagaa acactgagtt agactgtcac cacttgaat acccatcagg agagtgtggc 360
 attgcacatcgaaaatgtatgtgttcctctt aggagatgaa gatcaagtca gctaacaagct 420
 gtcaacaaac ttcttagtgta ggcaagaatt ttatggccaa gttgggcttt cctttattcc 480
 ttactgaaag aaagtattca gaaaatagca ttttagggaa aaaaagtgtt aagtaaacag 540
 aatccttta agcacacaaa caaaagttga gcagtgtaaa ttttggaaact tagtgccttt 600
 tagtatctga agcaaaatga taacaagtta taggattttt tctttatgaa gaatgatgt 660
 agctcactta tgaaagaaga acc 683

<210> 161
 <211> 811
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(811)
 <223> n is a, g, c or t

<400> 161
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 atggcactac attctctggc cctttatcag cactctgaca gctctctcct ttgcttattt 120
 tgctcctcat tctagcctct ggatcttgc ctttgctgtt cttacgctc ttctcccagg 180
 gatctgaaag gctcacacccc tcacccctt cagaggtttg ctaaaatgtc ttctaccagg 240
 tgaaggccttc cccaaaccacc acattaaaaa cacacaacca gcacccgttc tctatcttcc 300
 ttcactttgc atttgtccat tggtaacat cacttacata ctttaattt ttgtttattt 360
 aattcataact gcaaaacaac ttagttnta ccatgtgccca ggcattgtcc ctatgttg 420
 acaatacagt tgaaaataaa atagacaaaa atccccatctt ttgaatctt tgaaccttac 480
 attgggagtg acaggcaaaa acgaggtaaa tcagtaaaat acgtgagaca gaacgctaaa 540
 agaaaaaaaaa gaggaaaggg ctgatttttgc tggatccccc tccanaatgc aagctccctt 600
 gaggatacag atttgngtgt ttttaacta ctgnaatnct ccctgacaat agcgccccag 660
 tnacatagta agggcatttc gannccaatt ttttaaaaat gaagaaaact aggccagtt 720
 ccncagtttc ctggggccca atttcaact ttttagganc nttaantacc gatataaana 780
 aaattcggtt acagctaggg ctccgnatna a 811

<210> 162
 <211> 757
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(757)
 <223> n is a, g, c or t

<400> 162
 ctttcacgag aattctgtct caaaaaaaaa aaaaaagcca aagtcccaa aatggcctgc 60
 atggcactac attctctggc ccttatcag cactctgaca gctcttcct ttgcttattt 120
 tgctcctcat tctagcctct ggatcttgc ctttgctgtt cttacgctc ttctcccagg 180
 gatctgaaag gtcacacacc tcacccctt cagaggtttgc ctaaaatgtc ttctaccag 240
 tgaaggccttc cccaaaccacc acattaaaaa cacacaacca gcacccgttc tctatcttcc 300
 ttcactttgc atttgtccat tgtgtaacat cacttacata ctttaattt ttgtttattt 360
 aattcataact gcaaaacaac tttagtttta ccatgtgcc ggcattgtcc ctagttgctg 420
 acaatacagt tgaaaataaa atagacaaaa atcccatctt ttgaatctt tgaacctac 480
 attgggagtg acaggcaaaa acgaggtaaa tcagtaaaat acgtgagaca gaacgctaaa 540
 agaaaaaaaaa gagaaaggg ctgatttttgc tgccttcct ccagaatgca agtccttga 600

 taggcattcg atccaatttt aaaatgagat actaggcagt tactcagttt tctggcaca 720
 tttcaacttt tagacaataa taccgataag aaaanta 757

<210> 163
 <211> 749
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <222> (1)..(749)
 <223> n is a, g, c or t

<400> 163
 ctttcacgag aattctgtct caaaaaaaaaa aaaaaagcca aagtcccaa aatggcctgc 60
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 tgctcctcat tctagcctct ggatcttgc ctttgctgtt cttacgctc ttctcccagg 180
 gatctgaaag gtcacacacc tcacccctt cagaggtttgc ctaaaatgtc ttctaccag 240
 tgaaggccttc cccaaaccacc acattaaaaa cacacaacca gcacccgttc tctatcttcc 300
 ttcactttgc atttgtccat tgtgtaacat cacttacata ctttaattt ttgtttattt 360
 aattcataact gcaaaacaac tttagtttta ccatgtgcc ggcattgtcc ctagttgctg 420
 acaatacagt tgaaaataaa atagacaaaa atcccatctt ttgaatctt tgaacctac 480

atgggagtg acaggcaaaa acgaggtaaa tcagtaaaat acgtgagaca gaacgctaaa 540
 agaaaaaaaaa gaggaaaggg ctgattttg tgtctccct ccagaatgca agtccttga 600
 ggatacagat ttgggtgtt tntactactg natctcctga acaatagcgc cccagtacnt 660
 agtaggnca ttcgatccaa nttnaaaaa agaggancct agggccagtt aactnaagtt 720
 ttctgggcc ccatttccaa acttttaga 749

<210> 164
 <211> 741
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(741)
 <223> n is a, g, c or t

<400> 164
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 tggcactaca ttctctggcc ctttatcagc actctgacag ctctctcctt tgcttatttt 120
 gtcctcatt ctgcctctg gatcttgcc cttgctgttc cttacgctct tctcccaggg 180
 atctgaaagg ctcacaccct cacctccctc agaggttgc taaaatgtct tctacccagt 240
 gaagccttcc ccaaccacca cattaaaaac acacaaccag cacccgtct ctatcttcct 300
 tcactttgca tttgtccatt gtgtAACATC acttacatac cttaatttt tagtttatta 360
 attcatactg caaaacaact tagttttac catgtgccag gcattgtccc tagttgctga 420
 caatacagtt gaaaataaaa tagacaaaaa tccccatctt tgaatcttt gaaccttaca 480
 ttgggagtg caggcaaaaa cgaggtaaat cagtaaaata cgtgagacag aacgctaaaa 540
 gaaaaaaaaa gaggaaaggg ctgattttg tgtctccct nccagaatgc aagtccttg 600
 aggatacaga atnngtgtgt ttttnacta ctgnatctcc tgacaatagc ncccagtaca 660
 tagtaggcat tcgatccaaat tttnaaaaga ganacttaggc angtactaag tttntggcc 720
 cattnnactt ttaagacaat a 741

<210> 165
 <211> 727
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(727)
 <223> n is a, g, c or t

<400> 165
 ctacgataca tgtaacattc tacgaacaac catggtgagt agaaccatct ggattttcca 60
 tcactttcat taaaaagact ctgttgatat tctaggtact gattccatat atcagtatca 120
 acaaatttct caaccaaggg gataattggg ttatctgttt gcaattcatt ccgtaattta 180
 gaaaggagag aaatagctt ctttcagct tccacgcctt cctgcaaaaa tacaagaaaa 240
 atcaatttgt ttttgtctg tgtctgtgtt tgtgtgtgcg tgtctatgca attcctctag 300
 ggttaacatat ttttacagac ttaagaagaa aagaaaaatg ttcaactac attatacttc 360
 tttaaacatt acatttagaa ctcttaaact gaaaatcaaa aaacacacac agatctcata 420
 tgaacataat catgccttat ctatctaagt tctggccttt ctgtgtctc ggtgatcatt 480
 actacagagg gaaaggaacc cctgacagat tttccatgtc tttcatgctt ccatacacat 540
 tcttcttca ccattgacac cactagaaaa gaaactgtgg ccttctgag gtttctttg 600
 gtagctcaat tttttttttt aacttgaaaa ccactgagtt ctagcttagt gagagatgag 660
 atatgctgac atacaaggcg ctacaatata tctcacatga cagggcatttgg 720
 naaatgt 727

<210> 166
 <211> 713
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(713)
 <223> n is a, g, c or t

 <400> 166
 cacgagaatt ctgtctcaaa aaaaaaaaaa aagccaaagg tcctctaaaa tggcctgcat 60
 ggcactacat tctctggccc tttatcagca ctctgacagc tctctcctt gcttattttg 120
 ctcctcatcc tagcctctgg atcttgcccc ttgctgttcc ttacgcttctt ctcccaggga 180
 tctgaaaggc tcacaccctc acctccttca gaggttgct aaaatgtctt ctaccagtg 240
 aagccttccc caaccaccac attaaaaaca cacaaccagc acccgttctc tatcttcctt 300
 cactttgcat ttgtccattt tgtaacatca ctacataacc tttaattttt agtttattaa 360
 ttcataactgc aaaacaactt agttttacc atgtgccagg cattgtccctt agttgctgac 420
 aatacagttg aaaataaaat agacaaaaat cccatctttt gaatctttt aaccttacat 480
 tgggagtgac aggcaaaaac gaggtttttt cagttttttt cgtgagacag aacgctaaaa 540
 gaaaaaaaaaag aggaaaggc tgatTTTGT gtctccctt ccagaatgca agctccctt 600
 aggatacaga ttnggntgt tttttacta ctgtatctcc tgacaanagg cgcccaagtaa 660

cataggtang gcattcgatn ccaatttttn aaaatgagan actaggcagt tac 713

<210> 167
<211> 714
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(714)
<223> n is a, g, c or t

<400> 167
cttcacagag aattctgtct caaaaaaaaaaaa aaaaaagcca aagtcccaa aatggcctgc 60
atggcactac attctctggc ctttatcag cactctgaca gctctctcct ttgcttattt 120
tgctcctcat tctagcctct ggatctttgc cttgctgtt cttacgctc ttctcccagg 180
gatctgaaag gtcacacacc tcacccctt cagaggtttg cttaaatgtc ttctacccag 240
tgaagcccttc cccaaaccacc acattaaaaaa cacacaacca gcacccgttc tctatcttcc 300
ttcactttgc atttgtccat tgtgtaacat cacttacata ctttaattt ttagtttattt 360
aattcataact gcaaaacaac ttagttttta ccatgtgccca ggcattgtcc ctatgtcg 420
acaatacagt tgaaaataaaa atagacaaaa atcccatctt ttgaatctt tgaaccttac 480
attgggagtg acaggcaaaa acgaggtaaa tcagtaaaat acgtgagaca gaacgctaaa 540
agaaaaaaaaa gagaaaggg ctgatttttg tgtctccct caaaaatgca agtccttga 600
ggatacagat ttngtgtgtt ttttatttac tgtatctcct gacaatagcg ccccagnntcc 660
atagtaaggc attcgatcca attttaaaa atggagatac tagggcagtt tact 714

<210> 168
<211> 792
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(792)
<223> n is a, g, c or t

<400> 168
cttcacagag attctgtctc aaaaaaaaaaaa aaaaagccaa agtcctcaaa atggcctgca 60
tggcactaca ttctctggcc ctttatcagc actctgacag ctctctcctt tgcttatttt 120
gctcctcatt ctgcctctg gatctttgcc ctgctgttc cttacgctct tctcccagg 180
atctgaaagg ctcacacccct caccccttc agaggtttgc taaaatgtct tctacccagt 240

gaagccttcc ccaaccacca cattaaaaac acacaaccag caccgttct ctatttct	300
tcaacttgca tttgtccatt gtgtacatc acttacatac cttaatttt tagtttatta	360
attcatactg caaaacaact tagttttac catgtgccag gcattgtccc tagttgctga	420
caatacagtt gaaaataaaaa tagacaaaaa tcccatctt tgaatcttt gaacctaca	480
ttgggagtga caggcaaaaa cgaggtaaat cagtaaaata cgtgagacag aacgctaaaa	540
aaaaaaaaag agaaaaggc tgattttgt gtctccctc cagaatgcaa gtccttgag	600
gatacagatt tgtgtgttt ttactactgt atctcctgac aatagcgccc agtacatagt	660
aggcattcga tccaattttt aaaatgtgat actaggcagt tactcagttt ctgggcacat	720
ttnaactttt agacnataat accgattaaa aaaancggtt ncagcttaggc tacatncaa	780
gananaactg tn	792

<210> 169
<211> 691
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(691)	
<223> n is a, g, c or t	
<400> 169	
ctacgaacaa ccatggtgag tagaaccatc tggatttcc atcacttca tttaaaagac	60
tctgttata ttcttaggtac tgattccata tatcagtatc aacaaatttc tcaaccaagg	120
ggataattgg tttatctgtt tgcaattcat tccgtaattt agaaaggaga gaaatagctt	180
tctttcagc ttccacgcct tcctgcaaaa atacaagaaa aatcaattgt gtgtgtgtct	240
gtgtctgtgt ttgtgtgtgc gtgtctatgc aattcctcta gggtaacata ttttacaga	300
cttaagaaga aaagaaaaat gttcaaacta cattatactt cttaaacat tacattnaga	360
actcttaaac tgaaaatcaa aaaacacacca cagatctcat atgaacataa tcatgcctta	420
tctatctaag ttctggcctt tctgtgtctt cggtgatcat tactacagag ggaaaggaac	480
ccctgacaga tttccatgt ct当地tgc当地 tccatacaca ttcttcttc accattgaca	540
ccactagaaa agaaaactgtg gccttctga ggttctttt ggtagctcaa ttttttttn	600
aacttgtttt ccactgagtt ctagctaggt gagagatgag atatgctgac atacaaggcg	660
ctncaatatt atctnacatg acaggccat t	691

<210> 170
<211> 699
<212> DNA

<213> *Cercopithecus aethiops*

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<220>
<221> misc_feature
<222> (1)..(699)

<400> 170
ctcaaaaaaaaaaaaaaaaagc caaagtccctc aaaacggcct gcatggcact acattctctg 60
gccctttatc agcaactctga cagctctctc ctttgcttat tttgtccctc attcttagcct
ctggatctt gcccttgctg ttcccttacgc tcttctccca gggatctgaa aggctcacac 120
cctcacctcc ttcagagggt tgctaaaaatg tcttctacccc agtgaagcct tccccaaacca 180
ccacattaaa aacacacaac cagcacccgt tctctatctt ctttcacttt gcatttgtcc 240
attgtgtAAC atcacttaca tacctttaat ttttagttt ttaattcata ctgcaaaaca 300
acttagttt taccatgtgc caggcattgt ccctagttgc tgacaataca gttgaaaata 360
aaatagacaa aaatcccattc ttttgaatct tttgaacctt acattgggag tgacaggcaa 420
aaacgaggta aatcagtaaa atacgtgaga cagaacgcta aaagaaaaaa aagaggaaag 480
ggctgtatTT tngtgtcttc cttccagaat gcaagctcct ttgaggatac agatttgngt 540
gtttattact actgaatctc cnngacaaat agcgcccagc acatnagtan gccattcnat 600
ccaatttttn aaaatqagat actaggcag tnactccaa 660
699
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<210> 171
<211> 767
<212> DNA
<213> *Cercopithecus aethiops*

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<220>
<221> misc_feature
<222> (1)..(767)
<223> n is a, g, c or t

<400> 171
catctcacag agttacatct ttcccttcaa gtaatccctt cgctaaggct gttcttgtgg 60
aattggcaaa gcgatatttg gaagcccgta gagggctatg gtgaaaaagg aaatatcttc
cgttcaaaac tgaaaagaag ctttccgaga aactgctctg tgttctgtga attcctctt 120
tagaattttc ttcagaacct gtggcacatc attaaacctc cgtcagtgtat cacatatctt
catcctttgg agtcaattta ttttggaaa cagtcaaaag tcactcgag tgacttcagt 180
agaatgaagt gtgtgatcaa attggataaa aactttttt tttaatcaa aatgagtaac 240
aaaaaaaaac agaagactaa atttcttt tgaggcatgt aaactggctc tgaaagaagt
tccaaataat tcaaagatgg ttttagcaat ggcagcactg ctgaaatcca tcagtctc 300
420
480
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aaggtaactt aaaaggataa atatcattcg gatgcataga gccaatccgg tccaccacct 540
 gtttgtctg actcacatgc taagagtgtt ttttatattt ttgaatggct gaaaacaaaa 600
 gtgaaagaaa agtagtattt tgtgatacat gaaattcaaa tttcagtgtt cattaaataa 660
 agntttctt agaacacagc catgctcatt ctacatattt attaaggct gctttcaca 720
 ctacaacgac agnnttcagc agctgcaana aaaaccacat ggcccc 767

<210> 172
 <211> 769
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(769)
 <223> n is a, g, c or t

<400> 172
 cttcacgag attctgtctc aaaaaaaaaa aaaaagccaa agtcctcaaa atggcctgca 60
 tggcactaca ttctctggcc ctttatcagc actctgacag ctctctcatt tgcttattt 120
 gtcctcatt ctgcctctg gatcttgcc cttgctgttc cttacgctct tctcccaggg 180
 atctgaaagg ctcacaccct caccccttc agaggttgc taaaatgtct tctacccagt 240
 gaagcttcc ccaaccacca cattaaaaac acacaaccag caccgttct ctatcttct 300
 tcactttgca tttgtccatt gtgtAACATC acttacatac cttaatttt tagtttatta 360
 attcatactg caaaacaact tagttttac catgtgccag gcattgtccc tagttgctga 420
 caatacagtt gaaaataaaa tagacaaaaa tcccatctt tgaatctttt gaaccttaca 480
 ttgggagtga caggcaaaaa cgaggtaaat cagtaaaata cgtgagacag aacgctaaaa 540
 gaaaaaaaaa aggaaaggc tgattttgt gtctccctc cagaatgcaa gtccttgag 600
 gatacagatt tgggttttt ttactactgt atctcctgac aatagcgccc agtacatagt 660
 aggcatcga tccnatttt taaatgagat actaggcagt tactcagttt nctgggcca 720
 tttcaactt tagacaataa taccgatnag aaaaacggtt acagctagg 769

<210> 173
 <211> 769
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(769)
 <223> n is a, g, c or t

<400> 173

cagagaacac agnagtca	ttctcagaaa gcttcttcc agtttgaac ggcaagat	60
ttccttttc accatagccc tctatggct tccaaatatc gcttgccaa ttccacaaga		120
acagccttag cgaaaggctt cttgaaggga aatatgtaac tctgtgagat gaattctacg		180
atacatgtaa cattctacga acaaccatgg tgagtagaac catctggatt ttccatact		240
ttcatttaaa agactctgtt gatattctag gtactgattc catatatcg tatcaacaaa		300
tttctcaacc aaggggataa ttggtttatac tgtttgcata tcattccgta atttagaaag		360
gagagaaaata gcttcttt cagctccac gccttcctgc aaaaatacaa gaaaaatcaa		420
tttgtgtgt gtctgtgtct gtgttgtgt gtgcgtgtct atgcaattcc tctaggtaa		480
catatttta cagacttaag aagaaaagaa aaatgttcaa actacattat acttctttaa		540
acattacatt tagaactctt aaactgaaaa tcaaaaaaca cacacagatc tcataatgaac		600
ataatcatgc ctatctatc taagttctgg cctttctgtg tcttcggta tcattactac		660
agagggaaag gaaccctga cagattttcc atgtcttca tgctccata cacattctt		720
tttcaccatt gacaccactn gaaaagaaac tgtggcctt ctgaggttt		769

<210> 174

<211> 784

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(784)

<223> n is a, g, c or t

<400> 174

cttcaaatgt tgaaaaagag ctgaaatgct gcacagctga atgaaggatc ttctcaaggc ,	120
tctcctggcg cgagccaatc ccagcctcat gaacgagaga gatcctgaca cccacagatg	180
ggcacctcac agccacatgg agacagagac aggctcggtg accagccacc ctcacagcca	240
cacggggaca ggctcggtga ccagccaccc tcacagtcac acggggacag cctcggtgac	300
cagccaccc cacagccaca tgggacaggc tcggtgacca gccaccctca cagccacacg	360
gggacaggct cggtgaccag ccaccctcac agccacacgg ggacaggctc ggtgaccagc	420
caccctcacat gtcacacggg gacagcctcg gtgaccagcc accctcagag ccacacgggg	480
acaggctcggt tgaccaggca ccctcacagc cacacggggc caggcttggt gaccagccac	540
cctcacagcc acacggggaa cagctctcg tgaccagcca ccctnagagt aacatgggaa	600
caggctcggt tanccagcca cccctcacag ncacacgggg gacngggctc ggtgaccagc	660
cnacnctnac agncacacccg gggacaggc tnngttacc agcccccccc tcacagacccn	720

cacgggggac	agggttcgt	ngaccagccc	accccttaca	ntccacacgg	nggnacagcc	780
ctcg						784
<210>	175					
<211>	733					
<212>	DNA					
<213>	Cercopithecus aethiops					
<220>						
<221>	misc_feature					
<222>	(1)..(733)					
<223>	n is a, g, c or t					
<400>	175					
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tgttaggttc	ctcccagaac	ttaattttta	aaatttttat	ccaaacttat	tttacttaat	120
tatcaccatt	tattgaatac	attaattgaa	atagctcagc	tcttctgacc	tgtggagcaa	180
aggmntgacc	ctcaggatot	cctggaagct	gccctcaact	aagcagaact	,cagaggaaac	240
ttttgactga	gaaactgagg	tggtaaaatt	tgctaatgt	taaaaatacat	aaaatagaac	300
atttcttca	atcagaacta	ctgacactat	tacatggcac	aggttgccag	ttactctgat	360
tagaaatact	aaacagaaaa	aagaaaacac	ttggcttgaa	tccttaaaga	ggtatttacg	420
gaaggtgttg	ccaacacagc	ccatccccat	gtctggtag	atttctgtc	tgggagaggt	480
ctatggatc	tcacccaaac	accacagacc	ccagtagcat	ttcctggact	aatgttcttg	540
tcttttcaca	gtgctctgt	gatttggct	ttagataacn	tggtcttcct	tcctttcat	600
aggnatctat	accccctgaa	gtgtgggtcc	ttagactcag	ggggcttctt	caaaagccct	660
tttggattca	gnanaaaaag	aancctggc	acttaactgg	ggctnaaaga	aacacttctn	720
ccgggttccn	caa					733
<210>	176					
<211>	729					
<212>	DNA					
<213>	Cercopithecus aethiops					
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<222>	(1)..(729)					
<223>	n is a, g, c or t					
<400>	176					
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aggaaaagaa	aatccaatac	cacatgttct	ctcctgtaaa	tcggagctaa	acattggta	120

cccagggaca caaagatggg aacaatagac attggggatt caaaaatatg ggatgttaggg	180
aggagggaaa ggatttataa agtgtctatt gggtaactacg ttttagtacct ggggtgcag	240
atcatttgta ccctaaacgt cagcattatg caacataccca atgtaacaaa cctgcacatg	300
tagactctga atctgaaagt tgaaatactt tttaaaagtc tattatatta tcacacaatg	360
accccataaaa caacaacaaa aaaaagtcaa agtaaaaaaa cgcaaggctt ttagacgtag	420
gaatcagaat gatataaaga aggaaaagag atttatacta atatagaacc ttttagaca	480
tgaattttaa aaaaatgata cctaggttat caagttactt ttgtgtccac ctaatattta	540
tacactgtat ccctaaccac aattggctgt attttgaaga cagagccctc aaaggaagta	600
attcaggttn tgggtgcctt ataaggagga gaacactagn agnatctcag cttctctcca	660
ccccacccccc aaccccccaca aaaacatgtt aaagaaagnc tttatntgn gggacacagt	720
nggagaaaaa	729

<210> 177
<211> 679
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(679)	
<223> n is a, g, c or t	
<400> 177	
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tctcctctta gaatcattna tggaaatata attcacacaa cataaaattc accctttaaa	120
actatactac acacacacac acacacacac acacacgaat aaaccatatc ccattagcag	180
ttattcaaca cactctgccc ctttgacccc tggaaataat cactaatcta ctggctgta	240
ttatggattt gcttattctg gacaaatcat agaaattgaa tcattaaaca tttggttatt	300
ttgaatctat cttcttcac ttggcataat gtttgcagg tttatccatg ttgcagcaag	360
taccaatact catttttt tatgcttcca taatattcca tggatatatt ataattttag	420
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ttgctatgaa tattcatgta caagttttg cataaacacg tttcaattc tctattatgc	540
acctagaagt ggaattggta ggtcatatgg taattctatg nttaacttt gngaatatat	600
gccaaactat ttccaaagc aactgcaccc attngtatt accaccatta aggnataaaa	660
ngttcctact ttcttcaca	679

<210> 178

<211> 737
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(737)
<223> n is a, g, c or t

<400> 178

cttcataat	aaaaagaaaa	aatgaattt	caactagtat	cgattttcg	gtgtgtgggg	60
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tgattcaaat	gcagcagaaa	tcaaggaaaga	agcaacagat	acggtgtgc	atatcgaatg	180
tctagactac	aaggcaaaac	ccaaatacca	aagaagcatc	catgtgtcaa	accagcataa	240
tttctaagct	atgcctgggg	ccacatacaa	aaaaaaaaaa	aaaaaggtaa	gtttgaaaga	300
aaaatctagg	aggggttaacc	agaaggtcaa	ccccagttca	caggaactgg	gaagaagcta	360
gccgttaccc	tgtgacatct	tcctgagcag	cttcctccgc	agccagctcc	ccagcctcct	420
tacaatgttt	ccaaaaggcc	caactcccta	aacatttgct	tcttcaaggt	catcctaaga	480
taaggcagtg	aataaccacc	aaacactgag	tcacggatac	cttcggcta	aaaaagatcc	540
cccttcccaa	aatcattaca	taaatacttt	aaatgccaag	agggtttct	ccggaactcc	600
accagaaaact	cccagnactt	taattttagat	tgggcaacta	aatgtgttca	antttgcgc	660
cataaaatat	taaaggcttt	tcaggtctgg	caantncagt	tcaaaacagg	tgcttcagt	720
gtacgctgaa	taacagg					737

<210> 179
<211> 759
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(759)
<223> n is a, g, c or t

<400> 179

cagattttc	tttaagaatt	ttgtttattt	caataggatt	atcaaagtaa	aaattaaaaa	60
gtaatgaaaa	aataaaaaaa	ataatttgt	agctaccctt	cctataaaac	ttatccagat	120
tacttcttga	cctataacttt	gagagcagag	gaaatctagc	tacattaact	cagtagctct	180
gcaacttcta	ggtaatttct	tacctgaaca	gtatatccta	agtactgtaa	ttcctgcatt	240
gcttgcacat	ttgagtttat	tattccatcc	ctgtattaca	ataaatattc	tttacataaa	300
cttcaagag	aaaaagcatt	caaggtatat	gtgtgtgtac	acacttataat	atatgtgtat	360

atatactcct	gtaaaccata	attggagttt	aaaaaatata	tggtattgc	aatttcctc	420
tctttctc	tgtctctc	tctctctc	tctctctc	tctctcttc	ttcgatgga	480
gtcttgctct	gtcacccagg	ttggagtgca	gtgggtgtat	ttcagcttac	tgcaacctcc	540
aactcctggg	ttcaagtgat	tctcctgcct	cagactcccc	agtagctagg	actacaggta	600
cgtgccacca	tgcccgcta	attttttgt	attttagta	gagatgggt	ttcaccatgc	660
tgnccagact	gntcttgaac	tccctgacct	tctgatccac	ccgcctcgtc	ctccnaagtg	720
ctgggataaca	ggncatgagc	caccaccccc	gccggattt			759

<210> 180
<211> 770
<212> DNA
<213> Cercopithecus aethiops

<220>						
<221> misc_feature						
<222> (1)..(770)						
<223> n is a, g, c or t						
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gtttggaaat	cctttatatg	gacatgatag	atgaagccaa	agagaacaat	gaaatgattc	180
atgttgagtt	atttgacatt	ttaaaaagta	tataagtatt	ttaatagtgt	gaccatttgt	240
gtctggaaat	tttggaaaagc	acaaagatct	acaatgattt	atttatctct	atactgatct	300
gttaggaagtt	tttggcatgg	gaaattgtgc	taatgagtt	ttggaaacaa	gtgtattaag	360
taagggttta	caagatcatt	agactttcat	tttgcagact	caatcagatc	tgttcactat	420
agtctcctgt	tggcataatt	ggtttcctga	ggacttatta	cctgttagatg	cacaatttt	480
cattccaaca	atgttctgca	ttcctttgg	actttcctgt	cttgaggatc	tcttaaaga	540
gctaaaacct	caggaacttc	ttctacttgt	ttctttaaag	tcaggatgag	agacagaata	600
aggcatccag	ccatgatggt	ttttccccag	gttcttctct	catgctaagc	cctttatgg	660
acgatgtgcc	tctcaaagga	gaatgcagat	ctaatactat	tgcaccactc	tgaaagaagt	720
atgaggáagaa	ggcanaagag	ctatgaaaag	aaaaacatcc	tgatctttt		770

<210> 181
<211> 706
<212> DNA
<213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(706)
 <223> n is a, g, c or t

<400> 181
 ctttcatgcc tagtaaagag tggggcttgg cctggagagg gaggcctcat gggccagata 60
 agggagatgc tggcccatct gggcacgcat gtgcccgtag gctttccctg tcgagatgat 120
 caactggaaa ggcagagaat gcggcctgga ggctcagaaa catccttcaa gccatatccc 180
 caggtccttag tcctaactgc cactctttc ttttttcaa atggggtctt gctatgtgc 240
 tcaggctgga ctccaactcc tgggcttaag cggtcctcct gcctcaactg cccaaaggc 300
 cacaaaccac acctggcctc ttccctgccac ttctagctta gcaggtggct tcattctgtat 360
 acggggatga cgtgactgct tggggaaatg agctgagccc ttgggtggat catggttcat 420
 gcaagaggc tccggcaaaa tgctccaggc ttggagtctg ctggcgctt ctacccctga 480
 caatccgtt acttaccacc accctctgtt cagacaggaa agttcttcc atcaggatta 540
 tagcgaggat tggtcttcat ggcacccttg gcattccgagc acgtgttgc ggagctgttc 600
 tacgagccag gacacaccag ggaacggtnn cccgcaataa acacccgtct ctccctcgta 660
 ctcaagtct tcgggggtgc aacattctga gagcttgtcc ttcatt 706

<210> 182
 <211> 740
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(740)
 <223> n is a, g, c or t

<400> 182
 cngngnctcg atcggttcctc ccacacctcagc ctccccaaagt gctgtgttac aggtgggagc 60
 cactagaccc agctgaatta tggattttta aggctgcttt atgtcaaaca ttgcggggttc 120
 ttttaatatt gtttccaga tttaagattt ttttcttttta agctttgtat aatttatagt 180
 aatttggtaa agtacttttg aaaacaaaaaa tgaaaacatt tgctttctt ctctacctga 240
 accctccaga atttagaagc aatttatgtat tattcttatt tttacagcaa catggttatt 300
 tgcataggtt cagtaagaat ctgttctctg tccaggcaca gtggctcaca cctataatcc 360
 cagaactttg ggaggctgag gcaggcagat cacttgagat caggagttca agactagcct 420
 ggccaacatg gcaaaccct gtctctaccg aaaataaaaaa aattagcctg gcgtgttggg 480
 catgtgcctg gaatcccagc tactagggag gctgagtcag gagaatcaact tgaacctcg 540

aggtggaggt tgctgtaagc tgagattgta ccactgcact ccagcctggg tgacagagtg	600
agattttgtc tcaaaaaaaaaa aaggagggcc aggcatagtg gctcatgcct gtaattccag	660
cactttggga gaccangggg agcgaatcac anggtcagtt cgaggtgact ntaggganaa	720
aattatgttt naatagaaaa	740

<210> 183
<211> 720
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(720)	
<223> n is a, g, c or t	
<400> 183	
aaacagtaaa aaataaggaa ttttactttc tctggggctc ccaggctctc tggttgggtc	60
agggcccaag tggagcaggg aagaaggggc cactcttct gaagtctccc tgcataatg	120
aaaataacag ttgagtggca gtcacacact tagaagcaaa tcattctgat tttgccttct	180
agagcagaga tgtctccctt aagatccatt ttaccccagc agaaaaagcc cgggttgtct	240
ggattgttagc aacgctgttt tgacagaaaag cccttatgatt tttctcacaa acttccctaa	300
ggatgctatc tttcagctac acataacttag attatttctt ctccctcacc aactcaatct	360
aatgttgcta aggggttcag tactttctct ctgctgctta cctcgccccca acccccaagt	420
tcttccccaa attccagcag ctgggaccag tctctggac agagcagaaa taacatggaa	480
attgggggta gggtaaaca catctatcag tcttagaaca ggtagaaaag caacaccccc	540
gtgactacaa gttggtagt gggcaacaat tttcttatcc atcatgggtg gtgggtggg	600
tagtnattga gcataanttt attttagatag gtgaatttgc ttactggct nttaagggtc	660
acatggagggc tgtccaagga aaganattcn ataatnaatg gaaatttatt ataatttaat	720

<210> 184
<211> 775
<212> DNA
<213> Cercopithecus aethiops

<	
<220>	
<221> misc_feature	
<222> (1)..(775)	
<223> n is a, g, c or t	
annnnactna nnnnnnnnat cggctnnttn nnttgggggg naanccagta cttcaaaact	60
ttgtattatt taataaatga tactgactag ttggctaaac atttgaacaa aagataaaatc	120

tccaaaccat tctacccacc	aaaataaaatt ctagaaatga	acaagattt caaagtaaa	180
agtaatccac aaaagtacgg	aagaaaaacaa	tcttaaattg gagaaggact	240
ggcaccaaag gtagaaacca	aaaggaatca	cttgcaggtt tcatacata aagattttaa	300
aatttctata catccaaagc	actacaatgt	tcagctcaag atggcaggct aggcacattt	360
gcctttcatc ttttagagaac	cattaaata	aaaagacgga ggtacaatga ggaaaaactg	420
taacaggaa gagacgggct	ggaacgacag	gaagcagatg agccagctgg gagatgaacc	480
agctgaaaga gctgcagtgg	agatgaaagc	ctgtcctgtg canactgtgg aggaaggagt	540
gaaagacccc acctgttaggt	ttggcaagct	agctgaggat cgtnncat gattgaacaa	600
natggattgc acnctggtn	tccngccnnt	tgggtggana ggctntnnn nttnantgg	660
nccaacanac antnnnntgt	ttnatnccnc	cnnntncngn tnnnannnan gggcnccnn	720
ttttntttnn ananccacct	NNNCNNNCC	cnnatnaact nnnncnang nnnnn	775

<210> 185
<211> 400
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(400)
<223> n is a, g, c or t

<400> 185		
ttttccccgg nggngnnnn	nnnnnnnnnn nnnnnnnncc cccccccttn nnnnttgaaa	60
ggggggaaan nncccccccc	ctttnnnnnn tttttnnnng nnnnnnnnac aggtttttg	120
ncgngggat nntnttancc	ccannntttt nnncagnnng gnnncannnc nnnccagcnn	180
gnnngnannn tgctnnccctg	cncgnnncca gcccgnctct tnncctgnta cagnnnnnnc	240
ctnattgnac ctccgnctnt	ntatntaaat ggntctctaa agangaaagg caaatnttt	300
tttcctgcca ttttgagcng	aacattgnng ngctnnggat gnatagaaat tntaaaanct	360
tnntgtgang aaaccngcaa	gtgnntttt tnnggnncct	400

<210> 186
<211> 951
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(951)
<223> n is a, g, c or t

<400> 186
ccggccnggtg ntgggaaaga cnnnggacgc ttcagaccac aggnaggtac catcctggaa 60
cctggaatct ggaacctcaag gggctgacct ggcactgggt gggcctggaa cctgtatctg 120
cagcccagaa gcagggtctg caggtgcaag cctgatgcc a ggctgcaggg gacagccng 180
agcnggaaaa tnttgaggca ggggntgata angccagcag gcccaaagca aagnctaggg 240
cnnatntntg ttccttaccc ccatgcngag gatacctnnn tttaagctgc ggagccngag 300
gaagggaggg ggcgcangca agagaatgtc anaactanc ttncnnacct ntnccagnc 360
nacctccagg ngctgttaanc actcacttagg anaccctaa ggncnnactg aaaggagcnt 420
ccctangagn gatggnagca aaaaananga nacgacactn cgactgcnn gngacgtgca 480
acntggaaag actctgnncc ctncancacc tcgggnanac tatnacaaag angncnncca 540
ncacctncan aatgaaagna aangtgancg ngcnnacca acnnncgacnn ccctnggcca 600
agagaacacc aataacnaga ntagganatc caaaagcggn aaanacnaca gngctatnng 660
gaatgcncaa gccaccatnn ttgcantgg nncaacagnt gnaatcnnaaa nctacnncn 720
cnatacactg gagagacaan naccnagcnc cantaaagcg nnaaaaanga gaaaacgnaa 780
aaaancgcgc anngnngcng ncnaatngcc cncnnacntaa ccctccnnan aaaaannaat 840
cnnngaacctg gnnacgacnn ncnaagnngc ncaanccncc cncaggcgncc tcnncncct 900
gccacnanca ccccnagagcc ncnnccagagn caccnccctn acncacccan c 951

<211> 450
<212> DNA
<213> *Cercopithecus aethiops*

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<220>
<221> misc_feature
<222> (1)..(450)
<223> n is a, q, c or t
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<400> 187	
tnctnnnttn ggggtnnnan nnnnnnnnnn anntccncca atnnnnntgg gggggaannc	60
ctggttccct gcactctccc tctttccac tcatgtcgcc aggcttccca aatgttccct	120
gactattctt tccctttttt gtgcccacct gtgcccagg cacagcatgt gaccttagtcc	180
tgggagtccg cggtggcaga actgcaggcc gttggggctt ccaagtagac catgcaagtt	240
tcacagccat attnctctga tatcagaagc taaggagtcg tgccctggcca gtactaggat	300
gggggtccgn ctgggaacac tgggtgatgt aggcttttg cttacagnnc cctccctctn	360
tccccctnca gnngnctnga tncacaacca tnccctgact ntnntntncn nttnnnncac	420
ccaaactgcat ncnanacaca nnccngngact	450

<210> 188
<211> 338
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(338)
<223> n is a, g, c or t

<400> 188
tncnnctnt ggnngannna nncnnnnnn nnnntccnc cttnnntggg gggggaannc 60
gnncacntnc nntttangaa agagacgacg cttncgagga agaaggttt tgggacgcgg 120
gactgggnag agctccagag ccccagcagc ccggctcaag gnccctgcg cataggcgcc 180
ccaccgngac gncagggacg cgactnccgn gangccccgc gcgcgnnng ancccaggcg 240
cgggcnnaga ctngatcnm ggagnngccc ngngccnnnc ngacggngcg nnnnggnngn 300
cnngggcgcg gcnnngnnga nnngacagnc nggagcnt 338

<210> 189
<211> 936
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(936)
<223> n is a, g, c or t

<400> 189
tttnngggg gaannnnnnn nggngtangn nnnnnnnccn ccgcggtnn nccttgggg 60
ggaaannncc nnncangtn ncttttcat gnaaagngna cgacgntctc cgaggaagaa 120
ggctccggga cgccggactg gtagagctc cagagccccca gcagccggc tcaaggccc 180
ctgcgcatacg gcgcaccgtt gtgacgtcag ggacgcgact cccgcgatgc cccgcgcgcc 240
gtctgatccc aggccgggc tcannnttt atctcgagtt tccctgcgc cttcctgacg 300
gtgcgttctg gcggcctcgg gcgcggctc tgcgatcggc cagcctggag ccttggcct 360
cgatttacat gggaggcccc tcgaaacagg gcacgtcaact tgccccgggt cacctgcgga 420
cggggagact ctccgggttga ctccaaggcc tgacattccc ctccggtttt caccgaggag 480
gatgaggatg ttgtcaggag ctgcggcaag gctggaggag cttgcgttgn gtccacccnc 540
ctctghacag gccttagcat ncacccincag tttctccctt gacttntgaa cccnaactcc 600
ttaccccccgc aagtncnnnc cctgttngaa ttgctgaaac tgcaagtgac ggaagantaa 660
aatgtttgcc naagcnat gcttnanggn ggntgcengg gtataaggtc angggttggg 720

ggcccttnnc cctgnnggtt nggcnttaag ntaaccagg gnnctggca nttnantnnt	780
attcaanana tgccanggnn ntcggnnntnn aanggnttt tnnanaaaat nnntnccctt	840
nttannctnt annccnnagg gaaancntrn gggcttgg tngccctgna aanacnatna	900
aagggttaat nncccnct tnaattnnnn gncncc	936

<210> 190
<211> 936
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(936)	
<223> n is a, g, c or t	
<400> 190	
ttttnngng ganncnnnn gttntngnn nnccccccc ccatnnntt nggggggaa	60
nnccnnnca cgtcctcntn atgaaagaga cgacgcctcc gagaagaagg ctctgggtac	120
gcgggactgg gtagagctcc agagccccag cagccggct caaggcccc tgcgcataagg	180
cgcggccaccg tgacgtcagg gacgcgactc ccgcgatgcc ccgcgcgcgc tctgatccca	240
ggcgccggct cagantnnna tctcggagtt cccctgcgcc ttccctgacgg tgcgttctgg	300
cggcctcggg cgccggctct gcgatcgac agcctggagc ctttggcctc gatttacatg	360
ggaggccctt cgaaacaggg cacgtcaatt gccccggc acctgcggac ggggagactc	420
tcgggttgc tccaaggcct gacattcccc tccggttttc accgaggagg atgaggatgt	480
tgtcaggagc tgccgaagg ctggaggagc ttgcgttggg tccacccgcc tctggacagg	540
ccttagcatt cacccgcagt ttctccctga ctttgaaccc aaactcccta ccccccgaag	600
tccttccctg tttgattgc tgaactgcaa gtgacggaag aattaagtgt tggccgaaag	660
ctgatgcttc aggggtgca ggntagaggt caggggtggg ggcctngcct tngggngnc	720
atantgtanc ccanggtccn gcactgantr ttnnaggaat gcanggaatn gnatannang	780
gtnctaanaa antntcccc tannaactga taccnagna accntngggc tgnntgancn	840
tgaaaaaccc annaggtaa ngcctnnctt atnngggccc cnntntcnag annaaangcc	900
ctgggttgc anngaaaacc cnnnnanaaa ntntgg	936

<210> 191
<211> 951
<212> DNA
<213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(951)
 <223> n is a, g, c or t

<400> 191
 ttttnnngn gancnnncng gttgtgnnc cntccgcgc attcccttgg gggggnaacc 60
 cccnnncang tncctntna tgaaagagac gacgcntccg agaagaaggc tctgggacgc 120
 gggactgggt agagctccag agccccagca gcccggtca aggtcccctg cgcataggcg 180
 ccccaccgtg acgtcaggga cgcgactccc gngatgcccc gcgcgccgtc tgatcccagg 240
 cgccggctca nantnnatc tcggagttcc cctgcgcctt cctgacggtg cggtctggcg 300
 gcctcggcgc cgggctctgc gatcggacag cctggagcc ttggcctcga tttacatggg 360
 aggcccctcg aaacagggca cgtcacttgc ccccggtcac ctgcggacgg ggagactctc 420
 gggttgactc caaggcctga cattccctc cggttttcac cgaggaggat gaggatgtt 480
 tcaggagctg cggcaaggct ggaggagctt gcgttgggtc caccgcctc tggacaggcc 540
 ttagcattca cccgcagttt ctccctgact ttgaacccaa actccctacc cccgcaagtc 600
 ctccctgtt tgattgctga actgcaagtg acggaagaat taagtgttgg cgaaagctga 660
 tgcttcaggg ggntgcaggg tagaggtcag gggtggggc ctcgccttgt ggngtgcata 720
 tgtagccca ggtcntggca ctgattnta ttaggaatgc agggantng attagatggt 780
 ttcttagaaa atatcccctn tgnanctgnt acctgagnaa ccgctggct ggcatnacct 840
 tgnaaaaccc agaanggtta nngcccttc ttantngtgg cccnatttt tcaggacnaa 900
 angggccntg gnntncaat gnaatcnct ttgcncaaann nnctggtttc t 951

<210> 192
 <211> 938
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(938)
 <223> n is a, g, c or t

<400> 192
 ttcnnggntc ttnntgntan atttcccccc ccatttttg gggggaaanc cnacncanca 60
 aaaggtagaa attattgata aantntaaat gttacaaact gcngctaaaa gaagcaaaag 120
 agaacatgct gtatgatcct ttttttttt ttttttttt tttttttgag gcggagttc 180
 actcttggtg cccaggctgg agtacaatgg cacaatctcg gctcaccaca acctctgcct 240
 cnnntttca agcaattttt nttnncttann ctccctagta gctgggatta taggcatgtg 300

ccaccaggcc cagctaattt tgtattttta gtagagacgg ggtttctcca tggtggtcag 360
 gctggtcttg aactccccac ctcaggtgat ccaaccgcct cggcctccca aagtgctgg 420
 attacagacg tgagccactg tgcccgaa tctttttct taatttaaa ttttttagag 480
 acaaagtctg gctttctag tnccaggctg gagggcagtg gagccatcct ggctcactgc 540
 anccttnnc tcccaggctc aagccatcct nctacctaa ncttcctgag tngctggnaa 600
 ctacaggtac acaccacat gtcagnctaa tttttttt tttttttt ttgaaaccna 660
 atttttcnt tgttcacccc tnntgganan ncaggnngna nnanctctnn ccncntcnac 720
 cccttacnnn naagnncaat atnaantatc nncttacnnn cccnagntct tnnnntttta 780
 annnanntn tattttntt nnttatant tacctnnntn ttcctnnntn ctnancctn 840
 ntncactnnnt nnactantct ttttccacnt attcttctct nnctntnc tnatatcncn 900
 nnccnnnctc tctttntnc ttctttntt ctnnnatn 938

<210> 193
 <211> 804
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(804)
 <223> n is a, g, c or t

<400> 193
 tntnggggt nnnaaaacnt tncnnacata atgccncaa tacaanttg gngggaaaa 60
 annctgnntc attcctccnt gnaccatct ccatgccgtg naagcatctc ctncttgac 120
 ttgcactatc tggccata gcccttgctt attcttaat gggagtcact ctgacttgca 180
 ttgtgggaa gggtataacct gggcacagt cctctggat ggacacttcc ataggaaggg 240
 gcagttatac gtggacttat gtcctcctac actctcatcc agaaccatcc acccagaagc 300
 aggagttttt tcttttagaa accagccggc ccaatcagcc cattttatag gtgaaggcag 360
 tgaagcccaag agagataaaag catcttgtcc aaggtcacag agccagacct agactaggct 420
 gcctggctcc tagttcaggg ctcatccac cctagccggc ttctggctag acagaatcta 480
 cccatcctgg cccagactct ctggtggaa gtcaggatg cagnggtcag gatggcattc 540
 agagccagca ggcctgagc acggntcacc caagtggAAC atgaacttcc taaactccag 600
 nggaagtttag aaatggcana ttgatcagng ctaatgagct taaaacaccc agggattaaa 660
 aaaaaaaaaaca tgaanaagct ntacttnaag cataaatntg nttaacanaa agganaccng 720
 gctncncnnt ntntnanann nacnnnntgg aggctnaggg ggnngnnca tnnggggn 780

ganattnnnn ttngnaaggg gnnt

804

<210> 194
<211> 560
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(560)
<223> n is a, g, c or t

<400> 194
ttctantnn nnnggtnnnna ancannnnnn ncatnntcgn cncatnnnnn ttgggaggga 60
aannnaatna ataatcaaan ttagnaattt aatttagaat ttcatttatg aataaaaagg 120
ctgggaggaa acacacccca accgacacag tggatgcgtt aggataagac tatgagcaga 180
ttttgttctt ccttttcacc gtctgtatTT tccatcaatt atttgtatga ttaaaatcaa 240
tcatttcaga caagagggac attgtgagct atctgtgaga aatgtttct atctgtttcc 300
agatagaagg ggctccagct cggtttgggg aaagtcccaa tgccattctc ttaaccaaga 360
ggtttcctac ctcatctaattt gtggagattt tacttacccg ggaagactcc cctcctgtta 420
cctcaagtct gcagccggcc tcccagactt ctgcctnctn ctaaccacag cctgcctggn 480
tgcaggnncgg nggaaagga gggcatangg ggctgnatnc cgnanaggcc ctnncactcc 540
tngactnang cagggnnctg 560

<210> 195
<211> 977
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(977)
<223> n is a, g, c or t

<400> 195
cnncccccnng gntncccncg ggnnnnnnnn nnnncccccc ccnnnnctt gggggggaaan 60
nnccnnncctt tnggngnatt gnnggnana anncngtnct tccnnatag natngggcng 120
canttcaact ncgctaatta acggaacacgc aggctngnaa ttctgacaac agcaggacac 180
aaangggcnn gggatcagca ctgaatgccg gcaagcatg ccnncccccc ttaagaagaa 240
gcacacacc cacgacccac atnnntn gggncaggc catgaaggng cnaccctnga 300
tttagttana ngnctnccc tgcagcaact ccaaggcnc agggtttta aaatgncc 360
tcaggccttc ttnagaggna gcaagccngc cccaaactggc cttttcnna aaaaagangg 420

aaacaggnc gngattggtc nagagcagga nncccccagc ccnttngct ccccnggccc	480
acacngnaag aaaaagaatn gnnttggacc acacagaaaa cacaccaana ctaangacag	540
ctgaaaagct caaaaaaaaaa atcgcnaaaa aatccctcaa tgctcnaaga agtccncaa	600
nncgcccgn gacgnnnaca cagctnccng gccngcanga cnncnggggn ncacaggnng	660
cnacacccag gaccagnagn taatatcnna aaagggtAAC aanaaaaancc ctaataccaa	720
aaangcnatg anaatggaag cnnnacntcc tnccaaagac aagccctang gaaancntcn	780
cncnacccnn nccccaaaccn ggcannccgg ccccccaccca aaaggggggn nccgccccgg	840
aannnaaaaan ccnacnnngg ggaaaaaanng accnnaancc ngaaanngtc tatanccca	900
cngncnacccaa acctcccang ncaatnaccc cnccctccta aaaggntagg annaananacnc	960
nggngcaaaag ncnncca	977

<210> 196
<211> 868
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(868)	
<223> n is a, g, c or t	
<400> 196	
gaannccnn nnaaaaaacn nnnnnccccc nccccatann ncttgggggg gaaanncc	60
ccccacaagn natantnagn aggnaggaaa acacantaa tataatctac tagcnctcat	120
ttccctcccc caccctcatc ccactccact gctaagagag agaaatnnca gcactgctat	180
cctgttnat tatacatnt cccttnngag tnaaggattt naagattnng aaagtaacag	240
aatagaaaacc aaaagtnta ctcaactncc aatttggctt aaaaagagag aaataatnat	300
tattnccat gnnacccaaa actnattctg nnaataacag ntataattat atattcaa	360
naataaaatga agatcgccaa aatcacctna atataatnng nagcagctaa agaaca	420
tnnnnnnncat nngctnctat aagnagacat cacatganna ctnctatnga ccagnaagaa	480
actagnaaaa ncaggcagnc acccaccatn cnnnnctaac annccnnnnnc nnannctatn	540
caaccnnnncc ggnatannn naagaagcca aatcaagaaa nnagaccnncc atgcctaaaa	600
aaaaanngng nnatcnnaan acatcangaa caggaaccng nnngnanataa cacaggnann	660
cääägcnna ncgncaannn cnagaacccn naaacanaaa ggcagcnan anncaagann	720
agaaaacngaa nncacanaac acanagcann nnncncaaaa gcnnnnnnca nnnnngaacg	780
aagaaaannnc nnnnnaccaa aggccncaag ggcnnncaaa nnccnnngcc aannnaaaaa	840

aaaccnanca aaggcncnng angaaaaa

868

<210> 197
<211> 260
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(260)
<223> n is a, g, c or t

<400> 197
tttcnggng gannnnnnnn nnnnnnnnn nccncnccgn tnnnnnttggg gggaaaannc 60
nnnncacang nnatnttngn ggagggaaaac acatttaata nanctcatta gccctcattt 120
ccctccccca ccctcatccc actccacngn taagagagag aaatnnncagc actgntatcc 180
tgnnnnatna tacattncc cttnnngagtn aaggatnnna agatnnngaa agnaacagaa 240
nagaaaccaa atntttttt 260

<210> 198
<211> 901
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(901)
<223> n is a, g, c or t

<400> 198
gggnancnn agnngnaana nnccaacccc gccaanatnt angggggan actntcaca 60
gtataacaaga ggagggaaaac acaattaata tatctcacta gcattcattt ccctccccca 120
ccctcatccc actccactgc taagagagag aaatttnggc actgctatcc ttttatna 180
tacatnttcc ctttgagtn aaggattnna agattntgaa agtaacagaa tagaaaccaa 240
aagtttnctc aactnccaan nnggctaaaa agagagaaat aatnattatt tcctatgnna 300
cccaaaactn anncnngnnaa taacagntat aatttatatat ncaaatcaat aaatgaagan 360
cgccaaaatc accttaatat aattgnccgc agctaaagaa caaaaannn ncncannngc 420
nncnataagn anacatcaca tgatnactnc tatngaccag naagaaaacta gnaaaancag 480
gcagncaccc acccacncnn nnctaacatt cnnnnncnna nncnanccaa cctnnnnncgg 540
natatncnna agaagccaaa ncaagaaaa nagaccnnca ngccnaaaaa aaaacngngn 600
nancnnaaac atcangaaca ggaaaccagn ngnaaaataa cacagggnat ncaaaagcnn 660

tanccggcan nnnnccaaaa acccctaaac anaaaaggcn gncccagaac ccangaaana	720
gaaaaccnga aanncncngg nnaanccgg cancncccc caatccacaa ccccccgnna	780
naancnccc aaacccancc aaaacanaaa acccngnggc naaaaaggcn ccccnaaaaa	840
aanggnnccc cggnccggcg gncgaacncc cnagggncaa nanngggng nagncaaaaa	900
a	901

<210> 199
<211> 885
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(885)	
<223> n is a, g, c or t	
<400> 199	
tttttnggn ggnntnnnc nntttnnnc nnnnnncccc cccgatnnn ntnggggg	60
aaannncnn nccanaagnn atnttagnag gaggaaaaca canttaatat atctcaactag	120
cattcatttc cctcccccac cctcatccca ctccactgct aagagagaga aatttcagca	180
ctgctatcct gtttattat acatttccc tttgagttt aggatttaa gattttgaaa	240
gtaacagaat agaaaccaaa attttnntca acttccaatt tggctnaaaa agagagaaat	300
aattattatt tcctatgtta cccaaaactt attctgttaa taacagttat nattatatat	360
tcaaattaat aaatgaagat cgccaaaatc accttaatat aattgttagc agctaaagaa	420
caaaaatttt ttcatttgc ttctataagt agacatcaca tgattacttc tattgaccag	480
taagaaacta gtaaaatcag gcagtcaccc accattctt tctaacattc ttttncttat	540
tctatncaac cttncngta tattcttaan aagccaaatc aanaaatnan accttcatgc	600
ctaaaataaa attgtgntat cttatacatn atgaacagga acctgtngta tataacacaa	660
nntatnncaa agctttatcn cantttctan aacccttaaa caaaaangca nnctcanatt	720
nnaanattan aaaactnaat tctggaccca antgtanatt aactctnnan acattttnn	780
gtgnattaan naaaaactgg nnnctatcc ttaactttaa naggtcancc caaanttnn	840
nnanaaacaan ncctnnnnan aancaantta tatnaaacca nctan	885

<210> 200
<211> 941
<212> DNA
<213> Cercopithecus aethiops

<220>

<221> misc_feature
 <222> (1)..(941)
 <223> n is a, g, c or t

<400> 200
 ttttnggggg anntananng nnnnnnnnnn nnccnngnnn nnattggggg gaaannncn 60
 nncttngnat ttagaggagg aaaacacntt taatggatct tattagcttc atttccctcc 120
 cccaccctca tcccactcca cngntaagag agagaaaattt cagcactgct atcctgttt 180
 atnatacatt ttccctttt agtnaaggat nntaagattn ngaaagtaac agaanagaaa 240
 ccaanntttt ttttcaactg gnaatnggc tcaaaaaagag agaaataatt atnatntcct 300
 atgttaccca aaactnatcc tgnnaataac agtttatntt atatattcaa attaataaaat 360
 gaagatcgcc aaaatcacct taatataatn gncagcanan aaagaacaaa aatncttca 420
 nncngcttna ataangnnga catcnccatg atcacctnct attgaccagn aagnaaacta 480
 gnnnnaatna ggcnanncac ncacnanann nanncnaanc accannnnna cnaannncna 540
 ttcaacannt nannggnana ntncnnaat aagccnaaat aanananann gccccnanan 600
 gcctaannan nancgaggna atgcnnncc caannttnaa caggnatncc nggcagngnt 660
 tntaacanng annatttcan angnnnnanc cggnataact nnnanaannc cnannaann 720
 naaaggnnan tcnnaatnca angtnaana aaangnaatn cncccnnnn antantaaat 780
 aangncnnna ntannannnn nctancatcn cncncnatgc acnnnnnaaa ntnnnnnntn 840
 acnnncnnnc nnngnnaan nttnaangga nnnccnnnntn ancacannnn cncannaang 900
 nnnnnnaana nccacaannc aacacatnan caancacnaa t 941

<210> 201
 <211> 886
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(886)
 <223> n is a, g, c or t

<400> 201
 ttttcccnng gntnnnnnnt nnnnnnnnn nntccccccc catnnnnntt gggggggaaa 60
 ancacagnaa cacagngttt nngnncttag nnaagctttt ttccagttt gaacgtaaaga 120
 tatttccttt ttcaccatat ccctctatgg gcttccaaat atcccttgc caattccaca 180
 agaacagcct tagcgaaagg cttcttgaag ggaaagatgt aactctgtga gatgaattca 240
 cagaacacaa agcagttttt tttagaaagct tctttctagt tttgatctga gaatatttcc 300
 ctttccacca tagacctcta tgggcttcca aatatcacgt tgaaaatttc acaagaacag 360

tgttagcgaa aagcttcttg	420
atgttaacatt ctacgaacaa	480
ttaaaaagac tctgttgata	540
tcaaccaagg ggataattgg	600
agagaaaaata gctttctntt	660
ancaatngng nngngngcc	720
tcccnnnag ggnnaacnaa	780
accacnntnn aaactnnttt	840
anccccacn ancnnnnnn nanananann	886

<210> 202
<211> 925
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(925)	
<223> n is a, g, c or t	
<400> 202	
ttttntggng gannnctnnt nnnnnnnntn nncccccacct annncttngg ggggaannnn	60
cnncccacctt agnatttttt ncncaaaaaa aaaaaaatag ccaaagtccct caaaacggcc	120
tgcacggcac tacattctct ggccctttat cagcactctg acagctctct cctttgctta	180
ttttgctcct cattctagcc tctggatctt tgcccttgct gttccttacg ctcttcctcc	240
agggatctga aanntttttt tccctcacct ccttcagagg tttgctaaaaa tgtcttctac	300
ccagngaagc cttccccaac caccacatta aaaacacaca accnnttccc gttctctatc	360
ttccttcact tngcatatgt ccattgngta acatcaactt cataccttna attntnagct	420
natnaatnca tactncaaaa caccttatnt nttaaccatgt nccaaggcatt gnccntant	480
tgcttnacan tacancncna anatnaaatt cnacanaaaaa tcccatnctt tttgaatntt	540
tttgaacctt acatnngnaa gtnncannca aaatccnang ttaaancata aaaatnccn	600
tgnanacnna acccctnaaa naaanaaaaat angaaganag gggcctgaat tnnngngcnc	660
tttcccctcc caaantncan acntcctngn angnaaccnn atctnnnnng nnntnnnnntc	720
actnccgtnt ntcccgaca anaancnccc cnnnncctn ntngccctt ccatnccnat	780
tnttnaaana taaaanccc cccncnctcn ctaantnct ngggnccnat ttcaaacttt	840
tnaacnaann annccnncc nnnaaaaach ncnnccnccc tnngnnccc anncnaaattc	900

atccnnncntc nnctcctcnt ctccn

925

<210> 203
<211> 895
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(895)
<223> n is a, g, c or t

<400> 203
tttttcgng gattnctnnt nttnnnntnn ntcccccat tnnncttggg gggnaannnc 60
nacgattcan gtnttatnnc tacgaacaac cattgtgagt agaaccatct ggatttnca 120
tcactttcat ttaaaagact ctgttgatat tcttaggtact gattccatat atcagtatca 180
acaaatttct caaccaaggg gataattggg ttatctgttt gcaattcatt ccgtaattta 240
gaaaggagan anntttcttt ctttcagct tccacgcctt cctgaaaaaa tacaagaaaa 300
atcaatttgt tggtgtctg tgtctgtgtt tgtgtgtgcn tgtctatgca attcctctag 360
ggtaacatata ttttacagac ttaagaagaa aagaaaaatg ttcaaactac attataactc 420
tttaaacatt acatttagaa ctcttaaact gaaaatcaaa aaacacacac agatctcata 480
tgaacataat catgccttat ctatctaagt tctggccttt ctgtgtcttc ggtgatcatt 540
actacagagg gaaaggaacc cctgacagat tttccatgtn tttcatgct tccatacaca 600
ttnttcttcc accattgaca ccnactanaa aaagaaaaccn gtggnccttt ctgaggtttt 660
tttttngnn anntnaattn nttnnnntta aacttggntt ttccncctna attnttancn 720
taggntnana aaangaaana ntgcctnnna tnaaaanggn ncctncaatn ntatnttacn 780
cnnanaagnnc cnattggnnna gggngcanaa antntnanng ggnacnnaaa ataaaannaa 840
aaataactct nnnanccttt ggtttacat taacnaaana nntctncccc caana 895

<210> 204
<211> 887
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(887)
<223> n is a, g, c or t

<400> 204
tttccnnngng gntnnnnnnnn nnnnnnnnnnn nnaccccncg tnnnnntngg ggggaannnc 60
cnncacga gnattttnnn ctcaaaaaaa aaaaaaaaaagc caaagtccctc aaaatggcct 120

gcatggca	ct acattctctg	gcccttatac	a	gca	cac	tctga	cag	ct	c	tc	tttgc	ttat	180		
tttgctc	c	tc	tt	tt	tt	tt	tt	tt	tt	tt	tt	tt	tt	240	
gggatctgaa	agg	ntt	acac	c	c	tcc	ac	c	tcc	tac	gc	t	tttctcc	300	
agngaagc	c	tcc	cca	acca	cc	acat	aaa	aa	acaca	ac	cag	cac	ccgt	360	
c	ttt	act	ttt	cat	ttt	g	ttt	ttt	ttt	ttt	ttt	ttt	ttt	420	
ttaattcata	ctg	caa	aaa	aca	ac	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	480	
tgacaata	ca	gn	ngaaa	ata	aa	atag	aca	aa	atccc	atc	ttt	ngaa	ttt	540	
acattgggag	tg	acagg	caa	aa	acg	agg	na	aa	t	atc	agn	aa	ttt	600	
aaagaaaaaa	a	a	agagg	aa	aa	g	gg	aa	atc	ttt	ng	aa	ttt	660	
gagaata	ca	ann	ngngn	gn	nnnn	nac	nac	ng	nat	ctcc	cc	ca	atag	cn	720
annangatt	nc	nac	ccaa	an	tn	aaaaa	ang	an	na	acn	ng	nn	ncng	780	
cacatnncaa	cc	nt	aaa	aca	an	aa	anac	cc	an	aaaaaa	ac	nn	ncag	840	
nnaagaaa	na	ncc	gn	nc	nna	at	nnn	ng	nc	nt	na	an	nc	887	

<210> 205

<211> 843

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(843)

<223> n is a, g, c or t

<400> 205

acccccccca	tnnnn	ttggg	gggg	aaaa	ac	can	cc	ag	taa	na	g	ttt	gn	nn	gg	60			
tggctttaa	t	cat	cagg	gg	ca	agg	tag	at	ta	tt	ct	cc	at	tt	cc	tt	120		
tgaacaccaa	c	ag	tgg	att	g	ca	ag	tgg	g	ttt	g	aa	ac	gg	ctc	tgt	gg	ca	180
actactagac	ca	tgg	tat	ca	ct	agg	gac	ag	ct	ttt	gg	gg	agg	ctt	ng	gg	tat	act	240
ggcttataaa	acc	aaa	at	at	ac	ca	cc	aa	tt	ttt	300								
gtggAACGTA	at	aa	at	ca	ca	cc	ac	ca	cc	ttt	360								
ctgtgattga	ta	ga	ga	tg	at	at	cc	tt	420										
tatagttagt	at	tt	cc	cc	aa	tt	480												
ctgnacagng	ng	catt	acat	tg	ng	ca	ct	ac	ta	tt	540								
ctgnngaatc	ca	na	gt	tt	ng	ac	ta	ca	tt	600									
ccctggntag	gg	nn	gg	tt	gt	gg	tt	gt	tt	660									

ncanatataa atgnncaaag agncngcna cccnccccgn naanaaggnn agggncnctg	720
nnggccnaaa nnaggnnngg aagcacnaa anaannngaa anaacccccc accaaaaccc	780
ccgngcnccn gaccnggana ggggggncc cntncncann ccaaaanggc ccannggnnn	840
ncc	843

<210> 206
<211> 927
<212> DNA
<213> *Cercopithecus aethiops*

<220>
<221> misc_feature
<222> (1)..(927)
<223> n is a, g, c or t

<400> 206	
ncnccccng gnaancccn ggnptaannn nnnnccccc ccaatanntt tgggggggna	60
annnccnnn canagtgnaa tantaagnaa ncaaaggcag cngagtcagn accaaaacta	120
acagnanaat aacagnaaaa nnncaccac catatgaaag cagggaaaa atatatggaa	180
acagatatgg ccaaaaaaaaaa ggatgcagac aacgaagnaa gcggacagaa gcccgagaag	240
aaaaacgggg ncgggggaga aaggagacta tnaataggaa aaangaaaaa gcanacacag	300
ggcgactgag caatacagaa agcaaagang cnngataaaa agcagggccc tagagtggg	360
gtggcncaac acgaagaggg gcatccagag gggAACACA ggcngggng acaggagggg	420
gnccaaaang gagaaaaagc gcccnnca gagaaccanc aggcgccgccc caccccgggg	480
cggcagccgg ggagggggcc cacagangng ggnagaagc caagaaacnc agcgganggn	540
agggancac nggccangc gcagggaca ccccccagaa gccnaggaca gagggagggg	600
caagggcac actaagganc cnnaangaa cggccagagg ngcaggancc cacannagaa	660
gnaccnngaa gggcaggg caggcaagnc cccgcngcan gaggacaaaa cnggcngcn	720
gaaaanggnc gcccnncac cccnccngnc cnnaaccac ngcaaccacc agncnnnnac	780
annaancnn annaancnnn aaaacacaaa ngnccacn nnanccancc cganaaaaagg cnaanaacca	840
ggngnaancc naccacnng gnccgnanga cccngaaac cnnnanncca nnccnaannn	900
nnaccnnaaa ccaaaagnnc gannacc	927

<210> 207
<211> 940
<212> DNA
<213> *Cercopithecus aethiops*

<220>

<221> misc_feature
<222> (1)..(940)
<223> n is a, g, c or t

<400> 207
ccccgnatc ntctgtnt nnntnnnc cccccccta ttttggggg ggaannncn 60
nnncntnnnn nnnttncca cnnaaaacta ttntntnnc nncccgct atcctccaaa 120
ctagcaatan ttccgttctt ccctcttgct ctccggcgga ttccctgaaag tcgtttattc 180
tcttaattaa tacgccgctc cagccccgc cgttcagctc attctttaa tcgcattacc 240
ctggctgcng nnntttttt tttttccac ctgctgccac ccacccagac accgcctncg 300
gctcttccg gaccatctca gtttctccctc ctccccngn cccaattttc ttaggctat 360
ttctggctcc cgtaggtttn tcatgctctc gttagccca ccccatcacc accancggct 420
cttttccgc tctctccgn cnccctctgt ctccctgctca ggctctttc cagctattnn 480
cgactccccnt cntactcacc ctttgccttc ngaaactntc ccacccngccc ttcaggcaaa 540
tcngtctcna cccccctanc ccgcacgtga acacagnccct nccccctccg ctttcttaga 600
nacccctct cacnnnnnc ctttccnncc catcctcaaa actananggn tgggtacngg 660
ccnanccncc nttttggtg nnnaannccn gaatcgccgn caaggnccg gtncntnccc 720
ngaaaancct atngncnggn cacaacang gaaaaacannn ttcncacccn ttntccactg 780
anccncttcc cccntcaccc ttnaaanaca ttnttnnnnt ttatctaaaa ccnttcanc 840
ccccctccct tcggncaccc ctnctant ncccatatan cccntagnt natncntnca 900
atnccngcac cnntntnta tctaataaaaa ccccaaccccc 940

<210> 208
<211> 881
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(881)
<223> n is a, g, c or t

<400> 208
ttttccnng gnnattcnnt gtnnaatntn ntntcccccc cattnnnnnttgg gggggaaanac 60
ccgnanttga aattnnnnnttgg caaacaaaca tanctcttcc ttttcccttg aagggttaat 120
gctccaaacca gcctcagatt gtttcgttg aatctaaaa ttactttctt ggtcacgcgc 180
gccgaagggtc taagcatttgc tgaaatgtct ttttcccccc cccccaccccc ttgatgctgt 240
tctctttgggn nttnnnntttaat tacacagggg ttgagaaacc aaattaaaaat taggcgtgtc 300
tggtaacacag tgatcacgtt gcatgctttt agctttgntt gttgaagttg ctttccctcc 360

ctgagtggct ttcctccctt tttttttt ttttttattt taaaaaggaa atatcataag 420
 ctcttcaga aataactaca ggaagtgagt gtccgtatgc tggttactca ccancaactg 480
 agtgttggca ggtggagaat gctaccgcag ccgcccagac agatctgcag actggccca 540
 ttgcagagga ttagacacag ggtgcgtgga tcatagggtt tttgtacaga angcagttt 600
 aagaggaaat tggtaactgc atgtcatctc gaggggtggt gattcangga gccaggcctn 660
 ggggttccana aagnacgttg ctngccatct tnggaggtt cctgctcact tntcaaangg 720
 ncaggctngc ctttaaaaaa tcaatgtcc ttccacccccc aaaagggntt cttttgcag 780
 tgaatcanct nccaaaataa atagcccccn ttttttggaa aaagaacgtt tgnaaatccc 840
 ncnttttaat ggnangttt naatnngggg gtnantcaa a 881

<210> 209
 <211> 896
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature.
 <222> (1)..(896)
 <223> n is a, g, c or t

<400> 209
 ttttccnngg atnttnattt ntanacttat ccccncattt atttanggg ggnaancct 60
 nncanaatat tgtnttacaa atatcattt ngtgtatgta tgtcaaaacc aaaactgcct 120
 ttatgtcaat atgctgtaaa aatctatcag aatatatctt aattcttaac tttcattgtt 180
 gtctgtgggt tgtcttgat aattattatc acatctacag tattttctgt aggtaaatat 240
 gaaatgtttt tttnatgtac cagggggaaa atgccctta ataagcctt ccctagacaa 300
 agcaccattt aggcgtttag aagcaagaac tagtganntc agaaattgct gtcatacata 360
 ctcacctgtg aatggtcgta caaaggatcc caagcgcagg acttgtcctg gaagcagagg 420
 atcggattcc accagggaaaa gaggcaagta gaaatgccaa atgccagcgc tccctttccc 480
 cagctcatct tattttagg cactcagatt tttggaatcc tccaggacta acaaataanaa 540
 accacactag gttgttttc ctaatncct gtgaaatgag tcangtangt caaacanctt 600
 atccactcca gagagagaac caattcctt gagctacact ccctgtttc cagtnaccct 660
 aatncctct ntgggtccc ttgaanaaag ggnntgccna ccantgcatt ggagagccca 720
 ccgggtttnt gaatgaagan nattgtaaaa antnnccaaa aagttaaaa gccttcaagg 780
 gganagttt ctttntgaa nattnaagna ggaaaaatcc canntaaaa tacctggnt 840
 ccngttttt nntaaaaaan cnnnnnactt tttttggnc naangntttt tttttt 896

<210> 210
<211> 869
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(869)
<223> n is a, g, c or t

<400> 210	
nnccttctaa ttttnagctca ctataaanc aggctacagt gttattctta	60
agtattcatt gttgtataac acactacccc caaaatttag gagctaaaa taacagcaaa	120
cacttattat ctctcatggt tctgtgtgtt gactagacat ttccggctcct gtgcagatgg	180
ctggaggact gagctnttt ttnnggtctac agtgctctcg cttacatagt aggcaactagt	240
gttggctgct ggttagcaagc tcagttgggt gtgttgcacca gannnnttgg ttctgctcta	300
gagcattgta atantgagca tttcaacagt attaacccaa catgcaaaca ctcactata	420
taagcaaaat aaaataaaaat aaagcccccc cccagatatc tatgctctaa aacttccaaa	480
cgtatgaata tgtnacctta aatagcaaaa ggcactntgc agtgtgattn angcaagatg	540
gggcagagtg tctgggata tccangtgga acccaataat gcaaataaaa aaaatcn	600
tataanangg nagtaggaa ntaanacatc tgntcancat taccgctgcc nggttttng	660
aaaaanaaaaa ttnggaagaa aggggcnca agccaaggga atnccaggca tttcnctaa	720
tnggcaaaa caanannatn aaaantcntc ccccnnnnnc cnncnanaaa aaantgnaac	780
cctgggcgnnc cncnttgatt tttnnnnccca angancctnc ctnaccaana nantnaaaaa	840
aaaatctntt gntcgnnttt nancnaaan	869

<210> 211
<211> 874
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(874)
<223> n is a, g, c or t

<400> 211	
tttttngggg atttcccttn tanantnnan cccccccctt anttgggggg gaaatacnnc	60
ccattaacag ttttactcgc agcctctgct tngtctacat ctgctgccaa cttaacta	120
atggcgagat acttcgcta tttccgatgc cattagaaaa caaatagaaaa aatagttgg	180

caacaacatc ttctcgata ttatcacttg acaaattta acgttttagg tggaaacgga	240
attttaannt tttgtttaa gaagctaaa aaaaacaggc atgcttaatt agcataatgc	300
tgaatggcag ccaatcacaa actgaattt taaagcnnga agtgtttgct cctggcgtgg	360
cgcgcccccc tgtaatccgg gaatcccagc gttttgcag cccacgccc a gcccggaggag	420
ggaggatcct ttgttccacg agttcgacac cagcctaggc aatatacgag aattcaggtc	480
aatgactcta ggcttagcc atgcagtatt aacaaatggg atattaacaa tattaacaaa	540
tgggataaaa accaagaact tgacaaaatgt gttaattcc tatttctgtt ttaatacatt	600
acacaaaact aactgcctga aaacaaaaca aaagntntt ttttatagt tctctaaatc	660
agaantttc attggggcnt aaaatcaagg tnntctgcaa ggctgcattc tttntgnagg	720
ctgtagggga naaatttcat tgccttgnt ngnccctttaa naaagcctgt tttnccttgg	780
cttggngncc ccttttcaa ttcattttta aaacccnan nnnatnngnn ccnnnttctn	840
cctccncctc cncntaaaaa natttttnt gngn	874

<210> 212
<211> 866
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(866)	
<223> n is a, g, c or t	
<400> 212	
annnnncnnnn nnnnnnnncc cccngatann ttggggggga aanncncnca tttgagtgtnt	60
ncagggcaaa accaacagta aaccagacta ctaaagattt acttgtggaa tttttttgca	120
aagtgtcaaa gggcttatag agaaaatgaa acagttctt aaagatgttc ttgagcgagg	180
ttttttttt tttaacttac taaaagactt tatgttttag aacagttttt gtttacgttn	240
agcacgtagg acgtccccac tacacacaca gnttctctta ttaatagata ttagtatggt	300
acatngntg caactaatga accagtaatg ataaattatt aactaagatc catagntat	360
tcctgcttcc tcacattnta tctaaagncc tttntctgnt ccaggatccc agctaggaga	420
tngaaagacc ccacctgnag gtnggcaag cttagctgagg atcgnnncgc atgatngaac	480
aagatggatn gcacgctggn tctccggccg ctngggngga gaggctatnc ggctatgact	540
gggcacaaca gacaancggc tgctctgatg ccggccngnn ccggctgnca ggcgaggggc	600
gcccggnncn ttnggnaan accgaccngn ccggngcccn gaangaacng caggacnagg	660
canngcggnn atcgnggntg gccacgacgg gcgncncnng cgcannggg cncnacgnng	720

nnacngaaaac	gggaagggnna	ccggcgnnna	nngggncaaa	angccgggac	aggaaccncn	780
gnnaannaaa	ccnggnncn	gccnnnaang	aaccanaang	ggngnnnnaa	agnggnggn	840
ngnananccc	ngnaaccggn	nncccc				866
<210> 213						
<211> 998						
<212> DNA						
<213> <i>Cercopithecus aethiops</i>						
<220>						
<221> misc_feature						
<222> (1)..(998)						
<223> n is a, g, c or t						
<400> 213						
ttcgggggtc	tanaangtnt	nntnnntcan	ncyyyyyy	tttttgggg	gnaannncnn	60
nccagtttnn	natttggnnn	nggagcataa	attnagtcgn	ctctctcacc	taaaactcat	120
ggtctggtgg	aggctccgccc	tcctttgtcc	cctttcatgt	ttctgtctca	gcattgcctgg	180
ctccttaagg	ntcttcatct	tttgcaggtt	tatctcaagn	ctcaattgaa	ccgcccncctc	240
ctgncaggcn	tttttnnntc	gggaggtgag	cagnngggtc	cggaatgtg	ggagctaagg	300
gcatagatgt	gaggaccncc	ctatgaanag	gaaaaggann	cnncatggaa	gcanacctgg	360
gactgtctgt	atacctgcct	ggtcactaaa	tttctctgag	aggcatcaac	agnaaaaanc	420
ctganaggg	tatngccaag	agcatngatg	gggtctgctt	tctgggangc	aggaaataaa	480
ggnnngtgata	cccanaggg	ttatntctca	gccaggnccc	tccttcccnt	gtangannag	540
tcccttgagc	cnccnnncna	ctnancnnn	ttttnaatna	aacncccc	tnnnccggac	600
aacgggaann	tcccttatann	cctccannc	tngttgnnn	aanncccggn	gctaaaagca	660
atcnnncn	ncntnggtc	tncacaaaan	ggctnagaat	naccangtt	nagccccn	720
ntnccctant	cccccttgna	nnnctatnat	ttnttccaan	taaccaatna	nacccccan	780
aacccannat	acancacaac	atngacccccc	ntcaaaaacca	acanccnnnt	agacnttn	840
ccnacnnt	aggncatnng	cnaaccgnaa	gcntttgttn	tngaanctan	ccaaggcct	900
cncnaacaan	ttcaaaaana	agtggtgntt	cccccanct	naaccccgng	cccccacnnt	960
caacanannt	aaaaannaan	acccacnncc	nntngtng			998
<210> 214						
<211> 956						
<212> DNA						
<213> <i>Cercopithecus aethiops</i>						

<220>
 <221> misc_feature
 <222> (1)..(956)
 <223> n is a, g, c or t

<400> 214
 tttttcggn ggatnctnn ttnnntnnnt nnnccccccc ngtnnttgg ggggaaannc 60
 cancgttctn nctatttcct tcttgacgag ttnttctgag cgggactctg gggttcnaaaa 120
 tgagctagcc cttaagtaac gccatttgc aaggcatgga aaaatacata actgagaata 180
 gaaaagttca gatcgaggc aggaacagat ggaacagggt cgaccggctg accggctcgc 240
 cctagagaac nntttntgt ttccagggtg ccccaaggac ctgaaatgac cctgtgcctt 300
 atttgaacta accaatcagt tcgcttctcg cttctgttct ntcgcttctg ctccccgagc 360
 tcaataaaag agcccacaac ccctcactcg gggcgccagt cctccgattg actgagtcgc 420
 ccgggtaccc gtgtatccaa taaaccctct tgcagttgca tccgacttgt ggtctcgctg 480
 ttccttggga gggcttcctc tgagtgattg actacccgtc agcgggggtc tttcaatctg 540
 attgccttctt gcttgacggc aaggagtccc gaccactgaa cactgatgac ctcatctggt 600
 gtgattgtct cttgcttgac ggcgaggagc cccgacgact gaacatggat agtcggcc 660
 acagcacggt gatcanaagg ctttcgttgc acttatgant ccgacgntcc gggagttca 720
 aagccccctt tcnactccnt gggncctttt ngtnnttntc ttgnccacct ttcttgactt 840
 cttnaanttt gcttctggan tgntaatncn natcnnaaan cttgtttgn aaaancntgg 900
 ccccnngncc cngrnttntt nacccccann tantgnttta ngnccnttt tggaaa 956

<210> 215
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(915)
 <223> n is a, g, c or t

<400> 215
 ccncaacctt ngagacccta aagacattgg agcagcccc tacacctcct cccagggcac 60
 acaaaggccc ctgacatgcc catggcagtc caaggcctcc aattggagcc atctttggta 120
 aatctggggc ccatcagccc ccactgccc tcctggtacc ctgagcatgc tggcaagggg 180
 actnnntttt gcatccatc ttgtntcata taccacagn acctgatgtg gacatgactc 240
 accctgggtt cctgtgagtc aataagggtg tntgantaag gggcagagca tttcaactta 300
 gtcccataac ccatgagctc attaagcaaa tattacccat gcctagattt gggccagtc 360

actaccact ggaggctgtg ggctccaagg tatggcagca ggggaggcca gccaggcnc	420
tgcggcgtc acccttcct gtgaggatgg acnccagcca ggcctcccac ctccaccct	480
agactgggg acccggggtt gggggcaag aaaggggacc tgaaagtgn tgcgtngag	540
ntaagcccat ttncnata ctccnccaat aggganccaa gaaggnggt tnagagttac	600
cccaanaact caccacaacc cantntnaac gctgtgggt ctcaangggg acangcnaaa	660
acnaaaantn anacngcccc aaaaaagaac aggtncggnc ctncccnan ggacctttn	720
ttttctacca ctttacccan nanaatnctt gaccagggc ntcccaa acncngnaaa	780
anctttcaag ctnngncact nttnnanaccc nggcnnnnn aaggnttagn gcctttnnn	840
ancnctntgn cnggtncca tngnntaaaa accccaangn aactcctcca aanaacaagn	900
ancnnntctn ggtn	915

<210> 216
<211> 949
<212> DNA
<213> *Cercopithecus aethiops*

<220>	
<221> misc_feature	
<222> (1)..(949)	
<223> n is a, g, c or t	
<400> 216	
tttncngngg nannttntg nggaannctt nnccncccg gnnttttgg gggnaannc	60
ncatcgttct tactattgcc ttcttgacga gttnttctga gcgggactct ggggttcgaa	120
atgagcttagc ccttaagtaa cgccatttg caaggcatgg aaaaatacat aactgagaat	180
agaaaagttc agatcgaggt caggaacaga tggcacaggg tcgaccggc gaccggcga	240
ccctagagaa cctttntatg tttccagggt gccccagga cctgaaatga ccctgtgcct	300
tatgttgaact aaccaatcnn ttgcgttctc gcttctgttc ncgcgttct gctcccgag	360
ctcaataaaa gagccccacaa cccctcaactc ggggcgccag tcctccgatt gactgagtcg	420
cccggttacc cgtgtatcca ataaaccctc ttgcagttgc atccgacttg tggtctcgct	480
gttccttggg agggctcct ctgagtgatt gactaccga gtgggaaacg gggcaggc	540
gggtgggagg agggcgcagg aggctgagac agcccaggtg agagaggc aagcttggaa	600
ggttttccca ggcttggga gaggccctgg tcaggatgt tatggtaag gggtagaga	660
cagaggtncn tgggcangc ccggacctgt tttttngnc cagtnctagt tctgnntcnc	720
ttgnccctga gacccacgt tcanagaggg ttggnnccgt tgngggngna nnnttanccc	780
catctgatcc catggtggnn ntganganan gggctaannc nnanccntn cagtccttn	840

ttgcccncac ccggggcccn atcnnggnga agagggagnc cgctcgnc cccccca
 agggnncnng nanaccggnn gncccccgnng caaccngnaa ccaacnnan 949

<210> 217
 <211> 999
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(999)
 <223> n is a, g, c or t

<400> 217
 tttcccgng gannnnnntg nnnntnnnn ntncccccc cccatnnnnc attggggggg 60
 aaatncccccatntaggcc ttnngcnaa agacccagtn ntctgcccct ggttnccnc 120
 agganctctg caatgggaa gtgagccctc ctgaggcctg gctggcagga ggcttcaa 180
 ggtcatgtgg acttccccca acacctcgag ttctgcaca gcagccacgg agacggcct 240
 ggggctggc gggaaatttt tnnnaaggca atgttncct gagtggctg aaacctgaga 300
 tgaggaaatg agaagacgta aggtggctgg aggacacggg cttaggaca gccagcaccc 360
 agccctgttag ctgaggcctc cggagggagc cagagggaaa gggagtcccc tccccgcggc 420
 ctgagtctct gccagtgc cccactccca aaggatccac cccaacctga gagaccctaa 480
 agacattgga gcagccccag acacctccctc ccagggccac aaaggccct gacatgcccc 540
 tggcagtcca aggctncaa ttggagccat ctgggttaa atctggggcc catcagcccc 600
 cactgcncct tcctggtacc ctgagcatgc tggcaagggg actggaaact gcatccatc 660
 ttgtctcana tacccacagn acctgatgtg ggacatgact caccctggg tcctgtgagt 720
 caataagggt gttgantaa ngggcagaac nnttnaactt antnccanaa acccatgagc 780
 tcattaannc aaanttaccc tgcctanaat ngggccant nactaccnac tggaaaggttg 840
 tggcttcang natggntnag ggaagnccnc nggcttccc aannnnnct tnccttngag 900
 gnggaccac cagcctccan cncccccna actggaaacc nngngngca anaaggcng 960
 aaangttt gantaaccna tttntanncc cnnggnaaa 999

<210> 218
 <211> 962
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(962)

<223> n is a, g, c or t

<400> 218	
nnnccccggn actttcnntt anngnanncc cccccctnat ttggggggna anncacannn	60
ttannnattt nnnnnngaca aagcttttt ccagggnnntg aacngcngga tatttcctnn	120
ancaccatag ccgnctatgg gcttccaaat atccctttgc catttccaca agaactgcct	180
tatcgaaagg cttcttgaag ggaaagatgt aactctgnga gatgaatnct ccagaggaat	240
cctggatnnt nnccataggn angnctnaac ctgttcactc cnganctng ggagggtgca	300
cctggaagca agctctgggg tccctggag agaaagcaca gcccctgccc tggagacact	360
caaagcctgg aagggaaaggg cagngggctg gacagagacc acaggtgtga cggtcctagg	420
tgggaggtgg gagctcagag gggcaccta accccattgg gcagagtgc tinggaaggc	480
tttgagtagc gccncagagg atgcngnaga ananccccag gaggagagcg acngnatgna	540
gagggaaanag catttaccgn ngcctggag tgngagaggg ctggcnggag aaaaaagagc	600
tccangaagc cacaancct cannagnngc gtccacagcn cgatnctna ncaccnacaa	660
cananccccg ccncatanaa agngcnccaa nccatcnntc acngaangaa nnaacaaaat	720
gaaanaaggg agatcaccna agggaganac gcngacaccc ccccncccn accnganaac	780
cacnnncanaa cntnnacccc gcanaccnaa ganccatgaa ganttnagca cggnanggcc	840
cannnaaaag ncataaanan aacngnagga aaagggaccc gacacccnan tnactacccc	900
cacnnntacc caaaaaccaca ncnnncngccn gggcgnaacn cccnacnacc aaccancccc	960

<210> 219

<211> 891

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(891)

<223> n is a, g, c or t

<400> 219	
tttttnggg ntnnnnnggg gnnngnnnt cccgcctnnnc cttnggggn anncctnnnc	60
agttggaaat tnatttaag aaggactta agggagatta tttaagagcc agnaacgcaa	120
aggagagctg cggcaatcga caactaccga agacgcgaag cacattcactg aagcgttccc	180
ttcaatccgc acactacact cccacgaccc gccccttccg cccacagagc cggccacttc	240
cgcctcanan ntnacgcccg ctctgtgctc ctaagggcct tcccgccgct gatcagacgc	300
cccgccccctt agccgcaaca gaagccgtaa agcttctcc cgtcgcgatg cagcgctcaa	360

ggcgcctgcg cagaccctga aaagcggcca gggtgccccc gagctccct tttccgggtg 420
 cagcgccgca cggttagtt ctctcggttct cgctcgacg catgccgtcc aaggggccgc 480
 tgcagtcggt gcaggtcttc ggacgcaagg tgagctagac gccagatggg aaggggaggg 540
 gaaggagaag gtcagggtct gggagaggac ggtgggcagg aatacagggg gcaacatggg 600
 agctggatcc cgagctcacg gggccacact ctcttgtatc ccacagaaga cagccacagc 660
 tgtggcgcac tgcaaacgca gcaatggtct catcaaggta aacgggcggc ccctggagat 720
 gattgagccn cgacgctnc aatacaaggt gnttggcatt gggncattcg ncgttgantt 780
 ggattggagg acctntngga nataatagta gctnnttgaa agcttgaggg ggcnggnnt 840
 cancancgg gnttnana anttnnttn gtntnnnnaa aagggggttt t 891

<210> 220
 <211> 902
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(902)
 <223> n is a, g, c or t

<400> 220
 ttttnnnngg nntataattt ganntatnta tcccncccat aaaccttggg gggaaanaca 60
 aggnctnaag ttttttagga ttgtgctact gtactccagg gtgagtgaca gcaagtatac 120
 ttttcttaaa aaaagaacct tatatattaa aaaaaaattt tttttaact gaccctgaa 180
 tgcacatatg cttcctttta aaagtagtaa acttcagaag gggcagaaat cagactctgg 240
 tttcttcca ttttnagcca aagaaactga nagtnccaaa cagggAACAG aagaaccct 300
 ttcacaagca agcatttaaa cagacccaaa ttcggccgcg cggctcacca ggctggtcag 360
 gagttctaga ccagcctggc cgacatggtg aaaccacgac tctcctgaaa atacaaacat 420
 tagccggccg tggtggtgtg cgcctatagt cccagccacc cgggaggctg aggcaagaga 480
 attgcttcaa cccggagggt ggaggttgca gcgatccgag atcgtgccac tgcactctcc 540
 agcctggcgc acagagcgcg actccctctc aaacaaataa atngaaaaaa aaataaacag 600
 acccaaattt aagctatttc aatacttact gagcaattac aatgtctaaa acgctgcttt 660
 tagacgcctt gggttttnt taaggatnaa aacacttgnt ncttngtcaa aatnaaanct 720
 atgaaaactg ggttccctt caanccttn gggntcccc ccggnttccc cnnttnaaat 780
 gaaccttnct aaacattncc aattnnaaa agncancccc nttaattntt taanacnccc 840
 ccaatttnaa nnttnaaan ttttntnaa acnntaaanc cccgggtttt ttttnncnaa 900

aa

902

<210> 221
<211> 907
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(907)
<223> n is a, g, c or t

<400> 221
ccncanngt agntccgctc gccttcggcc ttgttaagcng gaaagggtgct tcgcgaggtc 60
tcgccttcgg ggtccgácat ggtgaccgga ttttagagacg ctaaagcaga gacaatcgaa 120
gaaaagctgg agaacctcta tctggttctg gtttgtggaa gctccgtctc ttagcaaccg 180
cgagacgann ttttcagcga tttccgggtc cgccctgtc tggcaagggc ccggattctg 240
ggtgcaacct gccggcgtgc gcgtgcgcca gttctntnnn gcaccgggcc ggagagtgat 300
gagtgcgtgg ctggcggctg agtccttag tgtttgctgt tgcacgctcc ttccggttctc 360
tctggagttt ctgcgtgaaa aggctgcctt gtaagacagc caagaaaaca ggaagaggg 420
tggaggcaaa gttccnaata gggattgaaa gaccccacct gtnggaaaa gcaagctagc 480
tgaggatcgt tcgcattgatt gaacaagatg gattgcacgc tggtttcttgc ggccgcttgg 540
gtggagagggc tatttcggct atgactgggc acacagacat tcggctnctt ttantccnc 600
cngngtnncng gctgttagcg naggggacgn cccgggttct ttnttgnaaa gacccnaccg 660
ttccggtgcc cttaatnaan ctgnanggac gagnnnnac cngntttatt ttgntggcn 720
ncaacggncn ttccctnnac anctngntcn ncancnttgc nanttaaccn gnaanggnnc 780
tngntngttt tggncnaaat annccggca aggaactccn nnnnannccc ccgtgtnnnt 840
nccccacaaan tatcnatnng ggtancnaan cngggnnnnn tnaccnnnac ccgnnnnccg 900
ccnanct 907

<210> 222
<211> 955
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(955)
<223> n is a, g, c or t

<400> 222
ttttccggg ggaannnnnn nnggnnnnaa nnnnnntcccc ncccatnnn ccttnggggg 60

gnaanacccc nnncaattcc ctatggna actttgcctc caaccctctt cctgtttct	120
tggctgtctt acaaggcagc ctttcacgc agtaactcca gagagaaccg aaggagcgtg	180
caacagcaa cactaaggag ctcagccgcc agccacgcac tcatactct ccggccccgt	240
gcgcggcaga actggcgac nntnnncgg gcagggttgca cccagaatcc gggcccttgc	300
cagacagggg cggAACCGGA aatcgctgta cgtctcgct cacgggttgct aagagacgga	360
gcttccacaa accagaacca gatagaggtt ctccagcttt tcttcgattt tctctgctt	420
agcgtctcta aatccggta ccatgtcgga ccccgaaaggc gagacctcgc gaagcacctt	480
tccctttac atggcggaaag gcgagcggct ctacctgtgc ggagaattct gtgtgaaatt	540
gttatccgct cacaattccc acacaacatg agcgtcagac cccgaagaaa agatcaaagg	600
atcttctttg agatcccttt ttttctgcgc gtaatctgct gcttgcaaac aaaaaaaacca	660
ccgntaccag cggnngtttt gnttngccgg atcaagagnt accaaantnt ttttcnnaa	720
gnaacttggc tttagcanaa cccnaanacc aaataactgnc nttnngnta cccgtantta	780
ggccccccct taaaaanttn nnanccncta atanccngtt ttntaatttn ttacaanggg	840
ttttgcnagg gnaaaaattn gttttaccgg ttgnctnaaa aaaatttcc gaaaggccn	900
ngtnngntaa agggntctg cccaaacccat tgggnnannt ccncccannt naatc	955

<210> 223
<211> 927
<212> DNA
<213> Cercopithecus aethiops

<220>	
<221> misc_feature	
<222> (1)..(927)	
<223> n is a, g, c or t	
<400> 223	
nnnnnttta aanacnnanc ccccccanta ntttgggggg gaaaacccccc agcatgcccc	60
cntatcatnn cccatcaactg ggtaatattc acagnatcaa attatcctcc ctaacccagt	120
cctgtgaata ttctcattga tcctcaaact cactttggcc tcagtgtatcc ccaacagcct	180
cctttacaac cttacaacat ccaagttcct gttctgtgag agtttcctct cgaaacacaa	240
cattccgtac aattcagtct ctcactccgt caatcctcta cattggcagt gagaccttat	300
tttgtgaccc ttactttac agcagccatt tcaaagagac attctcttagc ctgaaaggc	360
tccagattct ttcaacttac tattatgtat gcattgccaa tattgaattt gcactatctt	420
atcaactatt ctaaaactac tgacattgc agaaactggt catttgttct tagggaaaat	480
gtctgttta tccaaaaatg gagattaaaa acttgcacac attctactt gattccaca	540

gngacctgat ctatggtac tagcntcctt cccctctgcc ccaagttcac atttccatca 600
 gctcatatat actcttcctt ttctactcct gctgacaggg tccaaggata ctgcctcaaa 660
 aactctataa aaganaataa aaactnatta actggcttn ctatcnaaaa ncttcnact 720
 agnaatatta anaaaangntt ttcaaccggt nggatccgaa ancatccnaa gnagggntna 780
 ngccnaaaaaa aaaaataatn nntttccccn aaaaannaaa aaatagnntn tnangggggc 840
 ccngnnncntn gnaaaagaaa naannccggn cntnnnaana nnannaaaaa nntccncngg 900
 ntnannnnn aaaaancatn aancnnn 927

<210> 224
 <211> 936
 <212> DNA
 <213> Cercopithecus aethiops

<220>
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 <222> (1)..(936)
 <223> n is a, g, c or t

<400> 224
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 ccccccacag nnccacttcg cggctgccag gcagtcaggg aaagnaggcc gaagcaaagc 120
 cctagaagca aagccacagg aataagttagt ctttcccaga ggtcaaagaa ggctgttaggg 180
 ccacctgcca cgcctcccgaa cccggccgc gcggccttggg cccgctcccc aaccaaagag 240
 gcccgaattc agaganntt tagcagttt acagaaagct tcttccagt tttgaacgga 300
 agatatttcc ttttcacccg taggcctcta tgggcttcca aatatccctt tgccaaattcc 360
 acaagaacag ctttagcgaa aggcttcttg aaggaaaga tgtaactctg tgaaatgaat 420
 tctgcttata ggtcttgaga taaagtaccat gatctcatat catggattat aaggtttcc 480
 ttctatttc tggcattttg gatatgtaat gatgagcatc agaaagtttta atcatattna 540
 attttagaa ttattaaata ctcctgaggt cattttgggt gatTTTgngt ggcttcaac 600
 cataaaagaga tcaatgcctt gcagatataa agctttcctt ttccttctt aataattnta 660
 aactctgaat tnatgnctac agatatntaa tngatcataa atganaaatg ngataactatt 720
 cnctacctcc ttatctgttc tcggaanaga ctatacancc ctgcaannat ngaagttan 780
 gattgcttnt acgaaannna aaaaaaattn acttntttt nggcaanana aaatgcttcc 840
 tccgttgnna actccccctca nggngtntta ggggnannc taccttnaan ttccntngnc 900
 ctggnnncng tnnnaggnan tgcaanngn tttctt 936

<210> 225
<211> 605
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(605)
<223> n is a, g, c or t

<400> 225
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ttaagaagat agtccaagtt aaaggcatac attcaagcta gtggcacatt cggaagagca 180
gacaaagata gttggttgca aatggaaaat ttaagccatg atcttaaaag gacagaatgg 240
atatttgtta cttnctat gggataatt gattttttc accttccctt tcttggattt 300
ttttttttt ttaaatttagt ttggttactt taaccttact gtcggttata ttggttctct 360
tttatgtct gagttttttt ttttttttga gacggagtct tgctctgtcg cccaggctgg 420
agtgcagtgg ccggatctca gctcaactgca agctctgcct cccgggtta caccattctc 480
ctgcctcagc ctnctgagta gctaggacta caggcgcccc ccacctngcc cggctagtt 540
tttgatattt ttagtagaga cgggttnna cccnnntnnn ncanatggtt tnnntctnct 600
ntcct 605

<210> 226
<211> 654
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(654)
<223> n is a, g, c or t

<400> 226
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antactgttt gagaaaagac tgaggntcag atggcagagg ctccntagag gaaggaggct 120
acagccttga gggcatcagc ttcccacact cccaacctgc tgccctctc tgctggaatg 180
aggaggggcc tcctggctgg gggctccag ggtggaggga ggagctcaca ttcttagcat 240
tcctnttnc ctgagttgca aggaagaccc ggtgagcatg ctgacccctc aggagtgact 300
caggccccatg gctcgagtgc ctgaggaggg accagggtcg gggatggggc atgagtcagc 360
ctggcaggc ccataagaag ggaagggaaag ggagagaaat ggggctgca caggtgtgag 420

ggtctgtgca tgtctgtgt gtgtggggg gtgtctggat atccgngtgc tctggatctg 480
 agtgttagtg tatccgnacag cacaacctct gtgtgagggt gtgtctngc gaggggtggc 540
 ttctgtggat gtcccntgtg tggnatgtgt gnktgtgtgt gtgnngact aanntatnn 600
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<210> 227
 <211> 2635
 <212> DNA
 <213> homo sapiens

<220>
 <221> CDS
 <222> (285)..(1679)

<400> 227
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 gggagggcag gtcagtggc agatcgccgc cgccggattc aatctctgcc cgctctgata 180
 acagtcctt tccctggcgc tcacttcgtg cctggcaccc ggctggcgcgc ctcaagaccg 240
 ttgtctcttc gatcgcttc ttggacttgg cgaccatttc agag atg tct tcc aga 296
 Met Ser Ser Arg
 1

agt acc aaa gat tta att aaa agt aag tgg gga tcg aag cct agt aac 344
 Ser Thr Lys Asp Leu Ile Lys Ser Lys Trp Gly Ser Lys Pro Ser Asn
 5 10 15 20

tcc aaa tcc gaa act aca tta gaa aaa tta aag gga gaa att gca cac 392
 Ser Lys Ser Glu Thr Thr Leu Glu Lys Leu Lys Gly Glu Ile Ala His
 25 30 35

tta aag aca tca gtg gat gaa atc aca agt ggg aaa gga aag ctg act 440
 Leu Lys Thr Ser Val Asp Glu Ile Thr Ser Gly Lys Gly Lys Leu Thr
 40 45 50

gat aaa gag aga cac aga ctt ttg gag aaa att cga gtc ctt gag gct 488
 Asp Lys Glu Arg His Arg Leu Leu Glu Lys Ile Arg Val Leu Glu Ala
 55 60 65

gag aag gag aag aat gct tat caa ctc aca gag aag gac aaa gaa ata 536
 Glu Lys Glu Lys Asn Ala Tyr Gln Leu Thr Glu Lys Asp Lys Glu Ile
 70 75 80

cag cga ctg aga gac caa ctg aag gcc aga tat agt act acc gca ttg 584
 Gln Arg Leu Arg Asp Gln Leu Lys Ala Arg Tyr Ser Thr Thr Ala Leu
 85 90 95 100

ctt gaa cag ctg gaa gag aca acg aga gaa gga gaa agg agg gag cag 632
 Leu Glu Gln Leu Glu Glu Thr Thr Arg Glu Gly Glu Arg Arg Glu Gln
 105 110 115

gtg ttg aaa gcc tta tct gaa gag aaa gac gta ttg aaa caa cag ttg 680

Val Leu Lys Ala Leu Ser Glu Glu Lys Asp Val Leu Lys Gln Gln Leu
 120 125 130

tct gct gca acc tca cga att gct gaa ctt gaa agc aaa acc aat aca 728
 Ser Ala Ala Thr Ser Arg Ile Ala Glu Leu Glu Ser Lys Thr Asn Thr
 135 140 145

ctc cgt tta tca cag act gtg gct cca aac tgc ttc aac tca tca ata 776
 Leu Arg Leu Ser Gln Thr Val Ala Pro Asn Cys Phe Asn Ser Ser Ile
 150 155 160

aat aat att cat gaa atg gaa ata cag ctg aaa gat gct ctg gag aaa 824
 Asn Asn Ile His Glu Met Glu Ile Gln Leu Lys Asp Ala Leu Glu Lys
 165 170 175 180

aat cag cag tgg ctc gtg tat gat cag cag cgg gaa gtc tat gta aaa 872
 Asn Gln Gln Trp Leu Val Tyr Asp Gln Gln Arg Glu Val Tyr Val Lys
 185 190 195

gga ctt tta gca aag atc ttt gag ttg gaa aag aaa acg gaa aca gct 920
 Gly Leu Leu Ala Lys Ile Phe Glu Leu Glu Lys Lys Thr Glu Thr Ala
 200 205 210

gct cat tca ctc cca cag cag aca aaa aag cct gaa tca gaa ggt tat 968
 Ala His Ser Leu Pro Gln Gln Thr Lys Lys Pro Glu Ser Glu Gly Tyr
 215 220 225

ctt caa gaa gag aag cag aaa tgt tac aac gat ctc ttg gca agt gca 1016
 Leu Gln Glu Glu Lys Gln Lys Cys Tyr Asn Asp Leu Leu Ala Ser Ala
 230 235 240

aaa aaa gat ctt gag gtt gaa cga caa acc ata act cag ctg agt ttt 1064
 Lys Lys Asp Leu Glu Val Glu Arg Gln Thr Ile Thr Gln Leu Ser Phe
 245 250 255 260

gaa ctg agt gaa ttt cga aga aaa tat gaa gaa acc caa aaa gaa gtt 1112
 Glu Leu Ser Glu Phe Arg Arg Lys Tyr Glu Glu Thr Gln Lys Glu Val
 265 270 275

cac aat tta aat cag ctg ttg tat tca caa aga agg gca gat gtg caa 1160
 His Asn Leu Asn Gln Leu Leu Tyr Ser Gln Arg Arg Ala Asp Val Gln
 280 285 290

cat ctg gaa gat gat agg cat aaa aca gag aag ata caa aaa ctc agg 1208
 His Leu Glu Asp Asp Arg His Lys Thr Glu Lys Ile Gln Lys Leu Arg
 295 300 305

gaa gag aat gat att gct agg gga aaa ctt gaa gaa gag aag aag aga 1256
 Glu Glu Asn Asp Ile Ala Arg Gly Lys Leu Glu Glu Lys Lys Arg
 310 315 320

tcc gaa gag ctc tta tct cag gtc cag ttt ctt tac aca tct ctg cta 1304
 Ser Glu Glu Leu Leu Ser Gln Val Gln Phe Leu Tyr Thr Ser Leu Leu
 325 330 335 340

aag cag caa gaa caa aca agg gta gct ctg ttg gaa caa cag atg 1352
 Lys Gln Gln Glu Gln Thr Arg Val Ala Leu Leu Glu Gln Gln Met
 345 350 355

cag gca tgt act tta gac ttt gaa aat gaa aaa ctc gac cgt caa cat 1400
 Gln Ala Cys Thr Leu Asp Phe Glu Asn Glu Lys Leu Asp Arg Gln His

360	365	370	
gtg cag cat caa ttg ctt gta att ctt aag gag ctc cga aaa gca aga Val Gln His Gln Leu Leu Val Ile Leu Lys Glu Leu Arg Lys Ala Arg	375	380	1448
aat caa ata aca cag ttg gaa tcc ttg aaa cag ctt cat gag ttt gcc Asn Gln Ile Thr Gln Leu Glu Ser Leu Lys Gln Leu His Glu Phe Ala	390	395	1496
atc aca gag cca tta gtc act ttc caa gga gag act gaa aac aga gaa Ile Thr Glu Pro Leu Val Thr Phe Gln Gly Glu Thr Glu Asn Arg Glu	405	410	1544
aaa gtt gcc gcc tca cca aaa agt ccc act gct gca ctc aat gaa agc Lys Val Ala Ala Ser Pro Lys Ser Pro Thr Ala Ala Leu Asn Glu Ser	425	430	1592
ctg gtg gaa tgt ccc aag tgc aat ata cag tat cca gcc act gag cat Leu Val Glu Cys Pro Lys Cys Asn Ile Gln Tyr Pro Ala Thr Glu His	440	445	1640
cgc gat ctg ctt gtc cat gtg gaa tac tgt tca aag tag caaaaataagt Arg Asp Leu Leu Val His Val Glu Tyr Cys Ser Lys	455	460	1689
atttgtttg atattaaaag attcaatact gtattttctg ttagcttg ggcattttga			1749
attatatatt tcacatttg cataaaaactg cctatctacc tttgacactc cagcatgta			1809
gtgaatcatg tatcttttag gctgctgtgc atttctttg gcagtgatac ctccctgaca			1869
tggttcatca tcaggctgca atgacagaat gtggtgagca gcgtctactg agactactaa			1929
cattttgcac tgtcaaaata cttggtgagg aaaagatagc tcaggttatt gctaattggg			1989
taatgcacca gcaagcaaaa tatttatgt tttgggggt tgaaaaatca aagataatta			2049
accaaggatc ttaactgtgt tcgcatttt tatccaagca ctttagaaaaac ctacaatcct			2109
aattttgatg tccattgtta agaggtggtg atagatacta tttttttttt catattgtat			2169
agcggttatt agaaaagttg gggattttct tgatcttatt tgctgcttac cattgaaact			2229
taacccagct gtgtccccca actctgttct gcgcacgaaa cagtatctgt ttgaggcata			2289
atcttaagtg gccacacaca atgtttctc ttatgttattc tggcagtaac tgtaacttga			2349
attacattag cacattctgc ttagctaaaa ttgttaaat aaactttaat aaacccatgt			2409
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gtaatgatca gatctttgtt tgtctgaaca ggtatTTTA tacatgcttt ttgtaaacca			2529
aaaactttta aatttcttca ggTTTCTAA catgcttacc actggctac tgtaaatgag			2589
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<210> 228
<211> 464

<212> PRT

<213> homo sapiens

<400> 228

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Lys	Pro	Ser	Asn	Ser	Lys	Ser	Glu	Thr	Thr	Leu	Glu	Lys	Leu	Lys	Gly
							20			25				30	

Glu	Ile	Ala	His	Leu	Lys	Thr	Ser	Val	Asp	Glu	Ile	Thr	Ser	Gly	Lys
							35			40			45		

Gly	Lys	Leu	Thr	Asp	Lys	Glu	Arg	His	Arg	Leu	Leu	Glu	Lys	Ile	Arg
							50			55			60		

Val	Leu	Glu	Ala	Glu	Lys	Glu	Lys	Asn	Ala	Tyr	Gln	Leu	Thr	Glu	Lys
65							70			75			80		

Asp	Lys	Glu	Ile	Gln	Arg	Leu	Arg	Asp	Gln	Leu	Lys	Ala	Arg	Tyr	Ser
							85			90			95		

Thr	Thr	Ala	Leu	Leu	Glu	Gln	Leu	Glu	Glu	Thr	Thr	Arg	Glu	Gly	Glu
							100			105			110		

Arg	Arg	Glu	Gln	Val	Leu	Lys	Ala	Leu	Ser	Glu	Glu	Lys	Asp	Val	Leu
							115			120			125		

Lys	Gln	Gln	Leu	Ser	Ala	Ala	Thr	Ser	Arg	Ile	Ala	Glu	Leu	Glu	Ser
							130			135			140		

Lys	Thr	Asn	Thr	Leu	Arg	Leu	Ser	Gln	Thr	Val	Ala	Pro	Asn	Cys	Phe
145							150			155			160		

Asn	Ser	Ser	Ile	Asn	Asn	Ile	His	Glu	Met	Glu	Ile	Gln	Leu	Lys	Asp
							165			170			175		

Ala	Leu	Glu	Lys	Asn	Gln	Gln	Trp	Leu	Val	Tyr	Asp	Gln	Gln	Arg	Glu
							180			185			190		

Val	Tyr	Val	Lys	Gly	Leu	Leu	Ala	Lys	Ile	Phe	Glu	Leu	Glu	Lys	Lys
							195			200			205		

Thr	Glu	Thr	Ala	Ala	His	Ser	Leu	Pro	Gln	Gln	Thr	Lys	Lys	Pro	Glu
							210			215			220		

Ser Glu Gly Tyr Leu Gln Glu Glu Lys Gln Lys Cys Tyr Asn Asp Leu
 225 230 235 240

Leu Ala Ser Ala Lys Lys Asp Leu Glu Val Glu Arg Gln Thr Ile Thr
 245 250 255

Gln Leu Ser Phe Glu Leu Ser Glu Phe Arg Arg Lys Tyr Glu Glu Thr
 260 265 270

Gln Lys Glu Val His Asn Leu Asn Gln Leu Leu Tyr Ser Gln Arg Arg
 275 280 285

Ala Asp Val Gln His Leu Glu Asp Asp Arg His Lys Thr Glu Lys Ile
 290 295 300

Gln Lys Leu Arg Glu Glu Asn Asp Ile Ala Arg Gly Lys Leu Glu Glu
 305 310 315 320

Glu Lys Lys Arg Ser Glu Glu Leu Leu Ser Gln Val Gln Phe Leu Tyr
 325 330 335

Thr Ser Leu Leu Lys Gln Gln Glu Glu Gln Thr Arg Val Ala Leu Leu
 340 345 350

Glu Gln Gln Met Gln Ala Cys Thr Leu Asp Phe Glu Asn Glu Lys Leu
 355 360 365

Asp Arg Gln His Val Gln His Gln Leu Leu Val Ile Leu Lys Glu Leu
 370 375 380

Arg Lys Ala Arg Asn Gln Ile Thr Gln Leu Glu Ser Leu Lys Gln Leu
 385 390 395 400

His Glu Phe Ala Ile Thr Glu Pro Leu Val Thr Phe Gln Gly Glu Thr
 405 410 415

Glu Asn Arg Glu Lys Val Ala Ala Ser Pro Lys Ser Pro Thr Ala Ala
 420 425 430

Leu Asn Glu Ser Leu Val Glu Cys Pro Lys Cys Asn Ile Gln Tyr Pro
 435 440 445

Ala Thr Glu His Arg Asp Leu Leu Val His Val Glu Tyr Cys Ser Lys
 450 455 460

<210> 229
 <211> 2635

<212> DNA
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<220>
<221> CDS
<222> (285) . . (1679)

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gggagggcag	gtcagtggc	agatcgcg	cgcgattc	aatctctg	cgctctgata	180
acagtcc	ttccctggc	tcacttcgt	cctggcaccc	ggctggc	ctcaagaccg	240
ttgtctcttc	gatcgcttct	ttggacttgg	cgaccat	ttc	agag atg tct tcc aga	296
					Met Ser Ser Arg	
				1		
agt acc aaa gat tta att aaa agt aag tgg gga tcg aag cct agt aac	Ser Thr Lys Asp Leu Ile Lys Ser Lys Trp Gly Ser Lys Pro Ser Asn	344				
5	10	15	20			
tcc aaa tcc gaa act aca tta gaa aaa tta aag gga gaa att gca cac	Ser Lys Ser Glu Thr Thr Leu Glu Lys Leu Lys Gly Glu Ile Ala His	392				
25	30	35				
tta aag aca tca gtg gat gaa atc aca agt ggg aaa gga aag ctg act	Leu Lys Thr Ser Val Asp Glu Ile Thr Ser Gly Lys Gly Lys Leu Thr	440				
40	45	50				
gat aaa gag aga cac aga ctt ttg gag aaa att cga gtc ctt gag gct	Asp Lys Glu Arg His Arg Leu Leu Glu Lys Ile Arg Val Leu Glu Ala	488				
55	60	65				
gag aag gag aag aat gct tat caa ctc aca gag aag gac aaa gaa ata	Glu Lys Glu Lys Asn Ala Tyr Gln Leu Thr Glu Lys Asp Lys Glu Ile	536				
70	75	80				
cag cga ctg aga gac caa ctg aag gcc aga tat agt act acc gca ttg	Gln Arg Leu Arg Asp Gln Leu Lys Ala Arg Tyr Ser Thr Thr Ala Leu	584				
85	90	95	100			
ctt gaa cag ctg gaa gag aca acg aga gaa gga gaa agg agg gag cag	Leu Glu Gln Leu Glu Thr Thr Arg Glu Gly Glu Arg Arg Glu Gln	632				
105	110	115				
gtg ttg aaa gcc tta tct gaa gag aaa gac gta ttg aaa caa cag ttg	Val Leu Lys Ala Leu Ser Glu Glu Lys Asp Val Leu Lys Gln Gln Leu	680				
120	125	130				
tct gct gca acc tca cga att gct gaa ctt gaa agc aaa acc aat aca	Ser Ala Ala Thr Ser Arg Ile Ala Glu Leu Glu Ser Lys Thr Asn Thr	728				
135	140	145				
ctc cgt tta tca cag act gtg gct cca aac tgc ttc aac tca tca ata	Leu Arg Leu Ser Gln Thr Val Ala Pro Asn Cys Phe Asn Ser Ser Ile	776				
150	155	160				

aat aat att cat gaa atg gaa ata cag ctg aaa gat gct ctg gag aaa	824
Asn Asn Ile His Glu Met Glu Ile Gln Leu Lys Asp Ala Leu Glu Lys	
165 170 175 180	
aat cag cag tgg ctc gtg tat gat cag cag cgg gaa gtc tat gta aaaa	872
Asn Gln Gln Trp Leu Val Tyr Asp Gln Gln Arg Glu Val Tyr Val Lys	
185 190 195	
gga ctt tta gca aag atc ttt gag ttg gaa aag aaa acg gaa aca gct	920
Gly Leu Leu Ala Lys Ile Phe Glu Leu Glu Lys Lys Thr Glu Thr Ala	
200 205 210	
gct cat tca ctc cca cag cag aca aaa aag cct gaa tca gaa ggt tat	968
Ala His Ser Leu Pro Gln Gln Thr Lys Lys Pro Glu Ser Glu Gly Tyr	
215 220 225	
ctt caa gaa gag aag cag aaa tgt tac aac gat ctc ttg gca agt gca	1016
Leu Gln Glu Glu Lys Gln Lys Cys Tyr Asn Asp Leu Leu Ala Ser Ala	
230 235 240	
aaa aaa gat ctt gag gtt gaa cga caa acc ata act cag ctg agt ttt	1064
Lys Lys Asp Leu Glu Val Glu Arg Gln Thr Ile Thr Gln Leu Ser Phe	
245 250 255 260	
gaa ctg agt gaa ttt cga aga aaa tat gaa gaa acc caa aaa gaa gtt	1112
Glu Leu Ser Glu Phe Arg Arg Lys Tyr Glu Glu Thr Gln Lys Glu Val	
265 270 275	
cac aat tta aat cag ctg ttg tat tca caa aga agg gca gat gtg caa	1160
His Asn Leu Asn Gln Leu Leu Tyr Ser Gln Arg Arg Ala Asp Val Gln	
280 285 290	
cat ctg gaa gat gat agg cat aaa aca gag aag ata caa aaa ctc agg	1208
His Leu Glu Asp Asp Arg His Lys Thr Glu Lys Ile Gln Lys Leu Arg	
295 300 305	
gaa gag aat gat att gct agg gga aaa ctt gaa gaa gag aag aag aga	1256
Glu Glu Asn Asp Ile Ala Arg Gly Lys Leu Glu Glu Lys Lys Arg	
310 315 320	
tcc gaa gag ctc tta tct cag gtc cag ttt ctt tac aca tct ctg cta	1304
Ser Glu Glu Leu Leu Ser Gln Val Gln Phe Leu Tyr Thr Ser Leu Leu	
325 330 335 340	
aag cag caa gaa gaa caa aca agg gta gct ctg ttg gaa caa cag atg	1352
Lys Gln Gln Glu Glu Gln Thr Arg Val Ala Leu Leu Glu Gln Gln Met	
345 350 355	
cag gca tgt act tta gac ttt gaa aat gaa aaa ctc gac cgt caa cat	1400
Gln Ala Cys Thr Leu Asp Phe Glu Asn Glu Lys Leu Asp Arg Gln His	
360 365 370	
gtg cag cat caa ttg ctt gta att ctt aag gag ctc cga aaa gca aga	1448
Val Gln His Gln Leu Leu Val Ile Leu Lys Glu Leu Arg Lys Ala Arg	
375 380 385	
aat caa ata aca cag ttg gaa tcc ttg aaa cag ctt cat gag ttt gcc	1496
Asn Gln Ile Thr Gln Leu Glu Ser Leu Lys Gln Leu His Glu Phe Ala	
390 395 400	
atc aca gag cca tta gtc act ttc caa gga gag act gaa aac aga gaa	1544

Ile Thr Glu Pro Leu Val Thr Phe Gln Gly Glu Thr Glu Asn Arg Glu			
405	410	415	420
aaa gtt gcc gcc tca cca aaa agt ccc act gct gca ctc aat gaa agc			1592
Lys Val Ala Ala Ser Pro Lys Ser Pro Thr Ala Ala Leu Asn Glu Ser			
425	430	435	
ctg gtg gaa tgt ccc aag tgc aat ata cag tat cca gcc act gag cat			1640
Leu Val Glu Cys Pro Lys Cys Asn Ile Gln Tyr Pro Ala Thr Glu His			
440	445	450	
cgc gat ctg ctt gtc cat gtg gaa tac tgt tca aag tag caaaaataagt			1689
Arg Asp Leu Leu Val His Val Glu Tyr Cys Ser Lys			
455	460		
attttgttttg atattaaaag attcaatact gtattttctg ttagcttgtg ggcattttga			1749
attatatatt tcacattttg cataaaaactg cctatctacc tttgacactc cagcatgcta			1809
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tggttcatca tcaggctgca atgacagaat gtggtgagca gcgtctactg agactactaa			1929
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taatgcacca gcaagcaaaa tattttatgt tttgggggtt tgaaaaatca aagataatta			2049
accaaggatc ttaactgtgt tcgcattttt tatccaagca ctttagaaaac ctacaatcct			2109
aattttgatg tccattgtta agaggtggtg atagatacta tttttttttt catattgtat			2169
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taacccagct gtgtccccca actctgttct ggcgcacgaaa cagtatctgt ttgaggcata			2289
atcttaagtg gccacacaca atgtttctc ttatgttac tggcagtaac tgtaacttga			2349
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Thr Thr Ala Leu Leu Glu Gln Leu Glu Glu Thr Thr Arg Glu Gly Glu
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Arg Arg Glu Gln Val Leu Lys Ala Leu Ser Glu Glu Lys Asp Val Leu
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Lys Thr Asn Thr Leu Arg Leu Ser Gln Thr Val Ala Pro Asn Cys Phe
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Ala Leu Glu Lys Asn Gln Gln Trp Leu Val Tyr Asp Gln Gln Arg Glu
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Val Tyr Val Lys Gly Leu Leu Ala Lys Ile Phe Glu Leu Glu Lys Lys
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Gln Leu Ser Phe Glu Leu Ser Glu Phe Arg Arg Lys Tyr Glu Glu Thr
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Gln Lys Glu Val His Asn Leu Asn Gln Leu Leu Tyr Ser Gln Arg Arg
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Ala Asp Val Gln His Leu Glu Asp Asp Arg His Lys Thr Glu Lys Ile
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Gln Lys Leu Arg Glu Glu Asn Asp Ile Ala Arg Gly Lys Leu Glu Glu
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Thr Ser Leu Leu Lys, Gln Gln Glu Glu Gln Thr Arg Val Ala Leu Leu
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Asp Arg Gln His Val Gln His Gln Leu Leu Val Ile Leu Lys Glu Leu
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Arg Lys Ala Arg Asn Gln Ile Thr Gln Leu Glu Ser Leu Lys Gln Leu
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His Glu Phe Ala Ile Thr Glu Pro Leu Val Thr Phe Gln Gly Glu Thr
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agg cct gtg gtc aaa gtt cac gtc tgt ggc cag aca cac cga aca aga Arg Pro Val Val Lys Val His Val Cys Gly Gln Thr His Arg Thr Arg 220 225 230	784
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Ile Lys Arg Gly Asn Asn Pro Phe Phe Asp Glu Leu Phe Phe Tyr Asn		
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Val Asn Met Thr Pro Ser Glu Leu Met Asp Glu Ile Ile Ser Ile Arg		
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Val Tyr Asn Ser His Ser Leu Arg Ala Asp Cys Leu Met Gly Glu Phe		
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Lys Ile Asp Val Gly Phe Val Tyr Asp Glu Pro Gly His Ala Val Met		
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Arg Lys Trp Leu Leu Asn Asp Pro Glu Asp Thr Ser Ser Gly Ser		
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Lys Gly Tyr Met Lys Val Ser Met Phe Val Leu Gly Thr Gly Asp Glu		
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Pro Pro Pro Glu Arg Arg Asp Arg Asp Asn Asp Ser Asp Asp Val Glu		
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Phe Ser Gln Thr Val Lys Glu Ile Phe Gly Gly Asn Ala Asp Lys Lys		
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Cys Thr Asn Ile Ile Glu Lys Asn Ala Asn Pro Glu Trp Asn Gln Val		
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Val Asn Leu Gln Ile Lys Phe Pro Ser Val Cys Glu Lys Ile Lys Leu		
425	430	435
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aca ata tat gac tgg gac cgt ctt act aaa aat gat gta gtt gga aca		1456
Thr Ile Tyr Asp Trp Asp Arg Leu Thr Lys Asn Asp Val Val Gly Thr		
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aca tat cta cac ctc tct aaa att gct gcc tct ggt ggg gaa gtg gaa		1504
Thr Tyr Leu His Leu Ser Lys Ile Ala Ala Ser Gly Gly Glu Val Glu		
460	465	470
gat ttc tca tct tcg gga act ggg gct gca tca tat aca gta aac aca		1552
Asp Phe Ser Ser Ser Gly Thr Gly Ala Ala Ser Tyr Thr Val Asn Thr		

475	480	485	
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cct tgg gcc cac acc aag cca gtt gtt acc ctg act tca tac tgg gag Pro Trp Ala His Thr Lys Pro Val Val Thr Leu Thr Ser Tyr Trp Glu 635 640 645			2032
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Val Ile Met Glu Leu	Phe Asp Asn Asp Gln	Val Gly Lys Asp Glu	
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Phe Leu Gly Arg Ser	Ile Phe Ser Pro Val	Val Lys Leu Asn Ser	
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Glu Met Asp Ile Thr	Pro Lys Leu Leu Trp	His Pro Val Met Asn	
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Gly Asp Lys Ala Cys	Gly Asp Val Leu Val	Thr Ala Glu Leu Ile	
1260	1265	1270	
ctg agg ggc aag gat	ggc tcc aac ctt ccc	att ctt ccc cct caa	3943
Leu Arg Gly Lys Asp	Gly Ser Asn Leu Pro	Ile Leu Pro Pro Gln	
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Arg Ala Pro Asn Leu	Tyr Met Val Pro Gln	Gly Ile Arg Pro Val	
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Val Gln Leu Thr Ala	Ile Glu Ile Leu Ala	Trp Gly Leu Arg Asn	
1305	1310	1315	
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Met Lys Asn Phe Gln	Met Ala Ser Ile Thr	Ser Pro Ser Leu Val	
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Val Glu Cys Gly Gly	Glu Arg Val Glu Ser	Val Val Ile Lys Asn	
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ctt aag aag aca ccc	aac ttt cca agt tct	gtt ctc ttc atg aaa	4168
Leu Lys Lys Thr Pro	Asn Phe Pro Ser Ser	Val Leu Phe Met Lys	
1350	1355	1360	
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Val Phe Leu Pro Lys	Glu Glu Leu Tyr Met	Pro Pro Leu Val Ile	
1365	1370	1375	
aag gtc atc gac cac	agg cag ttt ggg cgg	aag cct gtc gtc ggc	4258
Lys Val Ile Asp His	Arg Gln Phe Gly Arg	Lys Pro Val Val Gly	
1380	1385	1390	
cag tgc acc atc gag	cgc ctg gac cgc ttt	cgc tgt gac cct tat	4303
Gln Cys Thr Ile Glu	Arg Leu Asp Arg Phe	Arg Cys Asp Pro Tyr	
1395	1400	1405	
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Ala Gly Lys Glu Asp	Ile Val Pro Gln Leu	Lys Ala Ser Leu Leu	
1410	1415	1420	
tct gcc cca cca tgc	cgg gac atc gtt atc	gaa atg gaa gac acc	4393
Ser Ala Pro Pro Cys	Arg Asp Ile Val Ile	Glu Met Glu Asp Thr	

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Lys Pro Leu Leu Ala	Ser Lys Leu Thr Glu	Lys Glu Glu Glu Ile	
1440	1445	1450	
gtg gac tgg tgg agt	aaa ttt tat gct tcc	tca ggg gaa cat gaa	4483
Val Asp Trp Trp Ser	Lys Phe Tyr Ala Ser	Ser Gly Glu His Glu	
1455	1460	1465	
aaa tgc gga cag tat	att cag aaa ggc tat	tcc aag ctc aag ata	4528
Lys Cys Gly Gln Tyr	Ile Gln Lys Gly Tyr	Ser Lys Leu Lys Ile	
1470	1475	1480	
tat aat tgt gaa cta	gaa aat gta gca gaa	ttt gag ggc ctg aca	4573
Tyr Asn Cys Glu Leu	Glu Asn Val Ala Glu	Phe Glu Gly Leu Thr	
1485	1490	1495	
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Asp Phe Ser Asp Thr	Phe Lys Leu Tyr Arg	Gly Lys Ser Asp Glu	
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Asn Glu Asp Pro Ser	Val Val Gly Glu Phe	Lys Gly Ser Phe Arg	
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atc tac cct ctg ccg	gat gac ccc agc gtg	cca gcc cct ccc aga	4708
Ile Tyr Pro Leu Pro	Asp Asp Pro Ser Val	Pro Ala Pro Pro Arg	
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Gln Phe Arg Glu Leu	Pro Asp Ser Val Pro	Gln Glu Cys Thr Val	
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Arg Ile Tyr Ile Val	Arg Gly Leu Glu Leu	Gln Pro Gln Asp Asn	
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aat ggc ctg tgt gac	cct tac ata aaa ata	aca ctg ggc aaa aaa	4843
Asn Gly Leu Cys Asp	Pro Tyr Ile Lys Ile	Thr Leu Gly Lys Lys	
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Val Ile Glu Asp Arg	Asp His Tyr Ile Pro	Asn Thr Leu Asn Pro	
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Val Phe Gly Arg Met	Tyr Glu Leu Ser Cys	Tyr Leu Pro Gln Glu	
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Lys Asp Leu Lys Ile	Ser Val Tyr Asp Tyr	Asp Thr Phe Thr Arg	
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Asp Glu Lys Val Gly	Glu Thr Ile Ile Asp	Leu Glu Asn Arg Phe	
1635	1640	1645	
ctt tcc cgc ttt ggg	tcc cac tgc ggc ata	cca gag gag tac tgt	5068
Leu Ser Arg Phe Gly	Ser His Cys Gly Ile	Pro Glu Glu Tyr Cys	
1650	1655	1660	

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Val Ser Gly Val Asn Thr Trp Arg Asp Gln	Leu Arg Pro Thr Gln	
1665	1670	1675
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Leu Leu Gln Asn Val Ala Arg Phe Lys Gly	Phe Pro Gln Pro Ile	
1680	1685	1690
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Leu Ser Glu Asp Gly Ser Arg Ile Arg Tyr	Gly Gly Arg Asp Tyr	
1695	1700	1705
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Ser Leu Asp Glu Phe Glu Ala Asn Lys Ile	Leu His Gln His Leu	
1710	1715	1720
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Gly Ala Pro Glu Glu Arg Leu Ala Leu His	Ile Leu Arg Thr Gln	
1725	1730	1735
ggg ctg gtc cct gag cac gtg gaa aca agg	act ttg cac agc acc	5338
Gly Leu Val Pro Glu His Val Glu Thr Arg	Thr Leu His Ser Thr	
1740	1745	1750
tcc cag ccc aac att tcc cag gga aaa ctt	cag atg tgg gtg gat	5383
Phe Gln Pro Asn Ile Ser Gln Gly Lys Leu	Gln Met Trp Val Asp	
1755	1760	1765
gtt ttc ccc aag agt ttg ggg cca cca ggc	cct cct ttc aac atc	5428
Val Phe Pro Lys Ser Leu Gly Pro Pro Gly	Pro Pro Phe Asn Ile	
1770	1775	1780
aca ccc cgg aaa gcc aag aaa tac tac ctg	cgt gtg atc atc tgg	5473
Thr Pro Arg Lys Ala Lys Lys Tyr Tyr Leu	Arg Val Ile Ile Trp	
1785	1790	1795
aac acc aag gac gtt atc ttg gac gag aaa	agc atc aca gga gag	5518
Asn Thr Lys Asp Val Ile Leu Asp Glu Lys	Ser Ile Thr Gly Glu	
1800	1805	1810
gaa atg agt gac atc tac gtc aaa ggc tgg	att cct ggc aat gaa	5563
Glu Met Ser Asp Ile Tyr Val Lys Gly Trp	Ile Pro Gly Asn Glu	
1815	1820	1825
gaa aac aaa cag aaa aca gat gtc cat tac	aga tct ttg gat ggt	5608
Glu Asn Lys Gln Lys Thr Asp Val His Tyr	Arg Ser Leu Asp Gly	
1830	1835	1840
gaa ggg aat ttt aac tgg cga ttt gtt ttc	ccg ttt gac tac ctt	5653
Glu Gly Asn Phe Asn Trp Arg Phe Val Phe	Pro Phe Asp Tyr Leu	
1845	1850	1855
cca gcc gaa caa ctc tgt atc gtt gcg aaa	aaa gag cat ttc tgg	5698
Pro Ala Glu Gln Leu Cys Ile Val Ala Lys	Lys Glu His Phe Trp	
1860	1865	1870
agt att gac caa acg gaa ttt cga atc cca	ccc agg ctg atc att	5743
Ser Ile Asp Gln Thr Glu Phe Arg Ile Pro	Pro Arg Leu Ile Ile	
1875	1880	1885

cag ata tgg gac aat	gac aag ttt tct ctg	gat gac tac ttg ggt	5788
Gln Ile Trp Asp Asn	Asp Lys Phe Ser Leu	Asp Asp Tyr Leu Gly	
1890	1895	1900	
ttc cta gaa ctt gac	ttg cgt cac acg atc	att cct gca aaa tca	5833
Phe Leu Glu Leu Asp	Leu Arg His Thr Ile	Ile Pro Ala Lys Ser	
1905	1910	1915	
cca gag aaa tgc agg	ttg gac atg att ccg	gac ctc aaa gcc atg	5878
Pro Glu Lys Cys Arg	Leu Asp Met Ile Pro	Asp Leu Lys Ala Met	
1920	1925	1930	
aac ccc ctt aaa gcc	aag aca gcc tcc ctc	ttt gag cag aag tcc	5923
Asn Pro Leu Lys Ala	Lys Thr Ala Ser Leu	Phe Glu Gln Lys Ser	
1935	1940	1945	
atg aaa gga tgg tgg	cca tgc tac gca gag	aaa gat ggc gcc cgc	5968
Met Lys Gly Trp Trp	Pro Cys Tyr Ala Glu	Lys Asp Gly Ala Arg	
1950	1955	1960	
gta atg gct ggg aaa	gtg gag atg aca ttg	gaa atc ctc aac gag	6013
Val Met Ala Gly Lys	Val Glu Met Thr Leu	Glu Ile Leu Asn Glu	
1965	1970	1975	
aag gag gcc gac gag	agg cca gcc ggg aag	ggg cgg gac gaa ccc	6058
Lys Glu Ala Asp Glu	Arg Pro Ala Gly Lys	Gly Arg Asp Glu Pro	
1980	1985	1990	
aac atg aac ccc aag	ctg gac tta cca aat	cga cca gaa acc tcc	6103
Asn Met Asn Pro Lys	Leu Asp Leu Pro Asn	Arg Pro Glu Thr Ser	
1995	2000	2005	
ttc ctc tgg ttc acc	aac cca tgc aag acc	atg aag ttc atc gtg	6148
Phe Leu Trp Phe Thr	Asn Pro Cys Lys Thr	Met Lys Phe Ile Val	
2010	2015	2020	
tgg cgc cgc ttt aag	tgg gtc atc atc ggc	ttg ctg ttc ctg ctt	6193
Trp Arg Arg Phe Lys	Trp Val Ile Ile Gly	Leu Leu Phe Leu Leu	
2025	2030	2035	
atc ctg ctg ctc ttc	gtg gcc gtg ctc ctc	tac tct ttg ccg aac	6238
Ile Leu Leu Leu Phe	Val Ala Val Leu Leu	Tyr Ser Leu Pro Asn	
2040	2045	2050	
tat ttg tca atg aag	att gta aag cca aat	gtg taa caaaggcaaa	6284
Tyr Leu Ser Met Lys	Ile Val Lys Pro Asn Val		
2055	2060		
ggcttcattt caagagtcat	ccagcaatga gagaatcctg	cctctgtaga ccaacatcca	6344
gtgtgattt gtgtctgaga	ccacacccca gtagcagggtt	acgccatgtc accgagcccc	6404
attgattccc agagggtctt	agtccctggaa agtcaggcca	acaagcaacg tttgcattcat	6464
gttatctctt aagtattaaa	agttttatTT tctaaagttt	aaatcatgtt tttcaaaata	6524
tttttcaagg tggctggttc	cattaaaaaa tcatttttt	atatgtgtct tcggttctag	6584
acttcagctt ttggaaattg	ctaaatagaa ttcaaaaatc	tctgcattcct gaggtgatAT	6644
acttcatatt tgtaatcaac	tgaaagagct gtgcattata	aaatcagtta gaatagttAG	6704

aacaattctt	atttatgccc	acaaccattg	cstatatttg	tatggatgtc	ataaaagtct	6764
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aaaaaa						6829

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														30	

Lys	Lys	Thr	Lys	Lys	Val	Asp	Asn	Glu	Leu	Asn	Pro	Val	Trp	Asn	Glu
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Ile	Leu	Glu	Phe	Asp	Leu	Arg	Gly	Ile	Pro	Leu	Asp	Phe	Ser	Ser	Ser
														50	
															55
															60

Leu	Gly	Ile	Ile	Val	Lys	Asp	Phe	Glu	Thr	Ile	Gly	Gln	Asn	Lys	Leu
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															70
															75
															80

Ile	Gly	Thr	Ala	Thr	Val	Ala	Leu	Lys	Asp	Leu	Thr	Gly	Asp	Gln	Ser
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															90
															95

Arg	Ser	Leu	Pro	Tyr	Lys	Leu	Ile	Ser	Leu	Leu	Asn	Glu	Lys	Gly	Gln
															100
															105
															110

Asp	Thr	Gly	Ala	Thr	Ile	Asp	Leu	Val	Ile	Gly	Tyr	Asp	Pro	Pro	Ser
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															120
															125

Ala	Pro	His	Pro	Asn	Asp	Leu	Ser	Gly	Pro	Ser	Val	Pro	Gly	Met	Gly
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															135
															140

Gly	Asp	Gly	Glu	Glu	Asp	Glu	Gly	Asp	Glu	Asp	Arg	Leu	Asp	Asn	Ala
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															150
															155
															160

Val	Arg	Gly	Pro	Gly	Pro	Lys	Gly	Pro	Val	Gly	Thr	Val	Ser	Glu	Ala
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															170
															175

Gln	Leu	Ala	Arg	Arg	Leu	Thr	Lys	Val	Lys	Asn	Ser	Arg	Arg	Met	Leu
															180
															185
															190

Ser Asn Lys Pro Gln Asp Phe Gln Ile Arg Val Arg Val Ile Glu Gly
 195 200 205

Arg Gln Leu Ser Gly Asn Asn Ile Arg Pro Val Val Lys Val His Val
 210 215 220

Cys Gly Gln Thr His Arg Thr Arg Ile Lys Arg Gly Asn Asn Pro Phe
 225 230 235 240

Phe Asp Glu Leu Phe Phe Tyr Asn Val Asn Met Thr Pro Ser Glu Leu
 245 250 255

Met Asp Glu Ile Ile Ser Ile Arg Val Tyr Asn Ser His Ser Leu Arg
 260 265 270

Ala Asp Cys Leu Met Gly Glu Phe Lys Ile Asp Val Gly Phe Val Tyr
 275 280 285

Asp Glu Pro Gly His Ala Val Met Arg Lys Trp Leu Leu Leu Asn Asp
 290 295 300

Pro Glu Asp Thr Ser Ser Gly Ser Lys Gly Tyr Met Lys Val Ser Met
 305 310 315 320

Phe Val Leu Gly Thr Gly Asp Glu Pro Pro Pro Glu Arg Arg Asp Arg
 325 330 335

Asp Asn Asp Ser Asp Asp Val Glu Ser Asn Leu Leu Leu Pro Ala Gly
 340 345 350

Ile Ala Leu Arg Trp Val Thr Phe Leu Leu Lys Ile Tyr Arg Ala Glu
 355 360 365

Asp Ile Pro Gln Met Asp Asp Ala Phe Ser Gln Thr Val Lys Glu Ile
 370 375 380

Phe Gly Gly Asn Ala Asp Lys Lys Asn Leu Val Asp Pro Phe Val Glu

Val Ser Phe Ala Gly Lys Lys Val Cys Thr Asn Ile Ile Glu Lys Asn
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Ala Asn Pro Glu Trp Asn Gln Val Val Asn Leu Gln Ile Lys Phe Pro
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Ser Val Cys Glu Lys Ile Lys Leu Thr Ile Tyr Asp Trp Asp Arg Leu
 435 440 445

Thr Lys Asn Asp Val Val Gly Thr Thr Tyr Leu His Leu Ser Lys Ile
 450 455 460

Ala Ala Ser Gly Gly Glu Val Glu Asp Phe Ser Ser Ser Gly Thr Gly
 465 470 475 480

Ala Ala Ser Tyr Thr Val Asn Thr Gly Glu Thr Glu Val Gly Phe Val
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Pro Thr Phe Gly Pro Cys Tyr Leu Asn Leu Tyr Gly Ser Pro Arg Glu
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Tyr Thr Gly Phe Pro Asp Pro Tyr Asp Glu Leu Asn Thr Gly Lys Gly
 515 520 525

Glu Gly Val Ala Tyr Arg Gly Arg Ile Leu Val Glu Leu Ala Thr Phe
 530 535 540

Leu Glu Lys Thr Pro Pro Asp Lys Lys Leu Glu Pro Ile Ser Asn Asp
 545 550 555 560

Asp Leu Leu Val Val Glu Lys Tyr Gln Arg Arg Arg Lys Tyr Ser Leu
 565 570 575

Ser Ala Val Phe His Ser Ala Thr Met Leu Gln Asp Val Gly Glu Ala
 580 585 590

Ile Gln Phe Glu Val Ser Ile Gly Asn Tyr Gly Asn Lys Phe Asp Thr
 595 600 605

Thr Cys Lys Pro Leu Ala Ser Thr Thr Gln Tyr Ser Arg Ala Val Phe
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Asp Gly Asn Tyr Tyr Tyr Tyr Leu Pro Trp Ala His Thr Lys Pro Val
 625 630 635 640

Val Thr Leu Thr Ser Tyr Trp Glu Asp Ile Ser His Arg Leu Asp Ala
 645 650 655

Val Asn Thr Leu Leu Ala Met Ala Glu Arg Leu Gln Thr Asn Ile Glu
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Ala Leu Lys Ser Gly Ile Gln Gly Lys Ile Pro Ala Asn Gln Leu Ala

675

680

685

Glu Leu Trp Leu Lys Leu Ile Asp Glu Val Ile Glu Asp Thr Arg Tyr
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Thr Leu Pro Leu Thr Glu Gly Lys Ala Asn Val Thr Val Leu Asp Thr
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Gln Ile Arg Lys Leu Arg Ser Arg Ser Leu Ser Gln Ile His Glu Ala
 725 730 735

Ala Val Arg Met Arg Ser Glu Ala Thr Asp Val Lys Ser Thr Leu Ala
 740 745 750

Glu Ile Glu Asp Trp Leu Asp Lys Leu Met Gln Leu Thr Glu Glu Pro
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Gln Asn Ser Met Pro Asp Ile Ile Trp Met Ile Arg Gly Glu Lys
 770 775 780

Arg Leu Ala Tyr Ala Arg Ile Pro Ala His Gln Val Leu Tyr Ser Thr
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Ser Gly Glu Asn Ala Ser Gly Lys Tyr Cys Gly Lys Thr Gln Thr Ile
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Phe Leu Lys Tyr Pro Gln Glu Lys Asn Asn Gly Pro Lys Val Pro Val
 820 825 830

Glu Leu Arg Val Asn Ile Trp Leu Gly Leu Ser Ala Val Glu Lys Lys
 835 840 845

Phe Asn Ser Phe Ala Glu Gly Thr Phe Thr Val Phe Ala Glu Met Tyr
 850 855 860

Glu Asn Gln Ala Leu Met Phe Gly Lys Trp Gly Thr Ser Gly Leu Val
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Gly Arg His Lys Phe Ser Asp Val Thr Gly Lys Ile Lys Leu Lys Arg
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Glu Phe Phe Leu Pro Pro Lys Gly Trp Glu Trp Glu Gly Glu Trp Ile

Val Asp Pro Glu Arg Ser Leu Leu Thr Glu Ala Asp Ala Gly His Thr
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Glu Phe Thr Asp Glu Val Tyr Gln Asn Glu Ser Arg Tyr Pro Gly Gly
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Asp Trp Lys Pro Ala Glu Asp Thr Tyr Thr Asp Ala Asn Gly Asp Lys
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Asp Asp Ala Trp Ser Tyr Asp Ile Asn Arg Ala Val Asp Glu Lys Gly
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Trp Glu Tyr Gly Ile Thr Ile Pro Pro Asp His Lys Pro Lys Ser Trp
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Val Ala Ala Glu Lys Met Tyr His Thr His Arg Arg Arg Arg Leu
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Val Arg Lys Arg Lys Lys Asp Leu Thr Gln Thr Ala Ser Ser Thr
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Ala Arg Ala Met Glu Glu Leu Gln Asp Gln Glu Gly Trp Glu Tyr
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Ala Ser Leu Ile Gly Trp Lys Phe His Trp Lys Gln Arg Ser Ser
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Asp Thr Phe Arg Arg Arg Arg Trp Arg Arg Lys Met Ala Pro Ser
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Gly Ala Asp Thr Thr Glu Asp Gly Asp Glu Lys Ser Leu Glu Lys
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Gln Lys His Ser Ala Thr Thr Val Phe Gly Ala Asn Thr Pro Ile
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Val Ser Cys Asn Phe Asp Arg Val Tyr Ile Tyr His Leu Arg Cys
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Tyr Val Tyr Gln Ala Arg Asn Leu Leu Ala Leu Asp Lys Asp Ser
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Phe Ser Asp Pro Tyr Ala His Ile Cys Phe Leu His Arg Ser Lys
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Thr Thr Glu Ile Ile His Ser Thr Leu Asn Pro Thr Trp Asp Gln
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Thr Ile Ile Phe Asp Glu Val Glu Ile Tyr Gly Glu Pro Gln Thr
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Val Leu Gln Asn Pro Pro Lys Val Ile Met Glu Leu Phe Asp Asn
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Asp Gln Val Gly Lys Asp Glu Phe Leu Gly Arg Ser Ile Phe Ser
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Pro Val Val Lys Leu Asn Ser Glu Met Asp Ile Thr Pro Lys Leu
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Leu Trp His Pro Val Met Asn Gly Asp Lys Ala Cys Gly Asp Val
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Leu Val Thr Ala Glu Leu Ile Leu Arg Gly Lys Asp Gly Ser Asn
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Pro Gln Gly Ile Arg Pro Val Val Gln Leu Thr Ala Ile Glu Ile
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Leu Ala Trp Gly Leu Arg Asn Met Lys Asn Phe Gln Met Ala Ser
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Glu Ser Val Val Ile Lys Asn Leu Lys Lys Thr Pro Asn Phe Pro
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Ser Ser Val Leu Phe Met Lys Val Phe Leu Pro Lys Glu Glu Leu
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Tyr Met Pro Pro Leu Val Ile Lys Val Ile Asp His Arg Gln Phe
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Gly Arg Lys Pro Val Val Gly Gln Cys Thr Ile Glu Arg Leu Asp

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1390

1395

Arg Phe Arg Cys Asp Pro Tyr Ala Gly Lys Glu Asp Ile Val Pro
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Gln Leu Lys Ala Ser Leu Leu Ser Ala Pro Pro Cys Arg Asp Ile
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Val Ile Glu Met Glu Asp Thr Lys Pro Leu Leu Ala Ser Lys Leu
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Thr Glu Lys Glu Glu Glu Ile Val Asp Trp Trp Ser Lys Phe Tyr
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Ala Ser Ser Gly Glu His Glu Lys Cys Gly Gln Tyr Ile Gln Lys
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Gly Tyr Ser Lys Leu Lys Ile Tyr Asn Cys Glu Leu Glu Asn Val
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Ala Glu Phe Glu Gly Leu Thr Asp Phe Ser Asp Thr Phe Lys Leu
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Tyr Arg Gly Lys Ser Asp Glu Asn Glu Asp Pro Ser Val Val Gly

Glu Phe Lys Gly Ser Phe Arg Ile Tyr Pro Leu Pro Asp Asp Pro
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Ser Val Pro Ala Pro Pro Arg Gln Phe Arg Glu Leu Pro Asp Ser
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Val Pro Gln Glu Cys Thr Val Arg Ile Tyr Ile Val Arg Gly Leu
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Glu Leu Gln Pro Gln Asp Asn Asn Gly Leu Cys Asp Pro Tyr Ile
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Lys Ile Thr Leu Gly Lys Lys Val Ile Glu Asp Arg Asp His Tyr
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Ile Pro Asn Thr Leu Asn Pro Val Phe Gly Arg Met Tyr Glu Leu
 1595 1600 1605

Ser Cys Tyr Leu Pro Gln Glu Lys Asp Leu Lys Ile Ser Val Tyr
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Asp Tyr Asp Thr Phe Thr Arg Asp Glu Lys Val Gly Glu Thr Ile
 1625 1630 1635

Ile Asp Leu Glu Asn Arg Phe Leu Ser Arg Phe Gly Ser His Cys
 1640 1645 1650

Gly Ile Pro Glu Glu Tyr Cys Val Ser Gly Val Asn Thr Trp Arg
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Asp Gln Leu Arg Pro Thr Gln Leu Leu Gln Asn Val Ala Arg Phe
 1670 1675 1680

Lys Gly Phe Pro Gln Pro Ile Leu Ser Glu Asp Gly Ser Arg Ile
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Arg Tyr Gly Gly Arg Asp Tyr Ser Leu Asp Glu Phe Glu Ala Asn
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Lys Ile Leu His Gln His Leu Gly Ala Pro Glu Glu Arg Leu Ala
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Leu His Ile Leu Arg Thr Gln Gly Leu Val Pro Glu His Val Glu
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Thr Arg Thr Leu His Ser Thr Phe Gln Pro Asn Ile Ser Gln Gly
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Pro Gly Pro Pro Phe Asn Ile Thr Pro Arg Lys Ala Lys Lys Tyr
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Tyr Leu Arg Val Ile Ile Trp Asn Thr Lys Asp Val Ile Leu Asp
 1790 1795 1800

Glu Lys Ser Ile Thr Gly Glu Glu Met Ser Asp Ile Tyr Val Lys
 1805 1810 1815

Gly Trp Ile Pro Gly Asn Glu Glu Asn Lys Gln Lys Thr Asp Val
 1820 1825 1830

His Tyr Arg Ser Leu Asp Gly Glu Gly Asn Phe Asn Trp Arg Phe
 1835 1840 1845

Val Phe Pro Phe Asp Tyr Leu Pro Ala Glu Gln Leu Cys Ile Val

1850

1855

1860

Ala Lys Lys Glu His Phe Trp Ser Ile Asp Gln Thr Glu Phe Arg
 1865 1870 1875

Ile Pro Pro Arg Leu Ile Ile Gln Ile Trp Asp Asn Asp Lys Phe
 1880 1885 1890

Ser Leu Asp Asp Tyr Leu Gly Phe Leu Glu Leu Asp Leu Arg His
 1895 1900 1905

Thr Ile Ile Pro Ala Lys Ser Pro Glu Lys Cys Arg Leu Asp Met
 1910 1915 1920

Ile Pro Asp Leu Lys Ala Met Asn Pro Leu Lys Ala Lys Thr Ala
 1925 1930 1935

Ser Leu Phe Glu Gln Lys Ser Met Lys Gly Trp Trp Pro Cys Tyr
 1940 1945 1950

Ala Glu Lys Asp Gly Ala Arg Val Met Ala Gly Lys Val Glu Met
 1955 1960 1965

Thr Leu Glu Ile Leu Asn Glu Lys Glu Ala Asp Glu Arg Pro Ala
 1970 1975 1980

Gly Lys Gly Arg Asp Glu Pro Asn Met Asn Pro Lys Leu Asp Leu
 1985 1990 1995

Pro Asn Arg Pro Glu Thr Ser Phe Leu Trp Phe Thr Asn Pro Cys
 2000 2005 2010

Lys Thr Met Lys Phe Ile Val Trp Arg Arg Phe Lys Trp Val Ile
 2015 2020 2025

Ile Gly Leu Leu Phe Leu Leu Ile Leu Leu Leu Phe Val Ala Val
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